

1985 Annual Report
Vital Statistics of Massachusetts

Massachusetts Department of Public Health
Public Document No. 1

- S3850-1-22



Michael S. Dukakis
Governor

Philip W. Johnston
Secretary

Deborah Prothrow-Stith, M.D.
Commissioner

The Commonwealth of Massachusetts
Executive Office of Human Services
Department of Public Health

150 Tremont Street

Boston 02111

617-727-2700

December 1987

To the Honorable Senate and
House of Representatives:

We have the honor to submit as required by Chapter 111, Section 2 of the General Laws, the one hundred forty-fourth annual report on statistics of births, deaths, fetal deaths, marriages, divorces and induced abortions in Massachusetts for the calendar year 1985.

This is the twenty-second Annual Report of Vital Statistics published by the Department of Public Health and is intended to assist in the development of policy and programmatic initiatives within the Department, as well as to provide State officials and agencies, and the general public, with valuable statistical information.

Sincerely,

A handwritten signature in dark ink, appearing to read "D. Prothrow-Stith", written over a horizontal line.

Deborah Prothrow-Stith, M.D.
Commissioner

DPS:clc



ANNUAL REPORT
VITAL STATISTICS OF MASSACHUSETTS
(PUBLIC DOCUMENT #1)

1985

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC HEALTH

MICHAEL S. DUKAKIS, GOVERNOR
PHILIP W. JOHNSTON, SECRETARY, EXECUTIVE OFFICE OF HUMAN SERVICES
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DECEMBER, 1987



ACKNOWLEDGEMENTS

This publication of the 1985 ANNUAL REPORT OF VITAL STATISTICS is the result of the combined efforts of the following data providers. We gratefully acknowledge the assistance provided by the 351 city and town clerks, hospital personnel, physicians, funeral directors, probate courts, clinics, and Department of Public Health personnel, without whose efforts there would have been no vital statistics.

Department of Public Health staff most significantly involved in the production of the 1985 ANNUAL REPORT OF VITAL STATISTICS include:

Frances Vitagliano, assistant editor;

Lynne Steinman, supervision of computer graphics and special table production, with programming by Charlene Zion, Greg Hanna, Karin Barrett, and Warren Erskine;

Robert Danley, population statistics;

Michael Healey, Division of Data Processing, data file management and vital events series printouts;

Viana Daly and Carol Bowers, word processing;

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The joint efforts of all the staff of the Registry of Vital Records and Statistics are necessary to produce the data contained in this publication. Special acknowledgement is made to the following Registry supervisors:

Phyllis Zeuli, supervisor of the Statistics Unit, which is responsible for data collection, coding and editing;

R. A. Bernatonis, supervisor of the Registration Unit, which is responsible for coordination with cities and towns to produce the data in a timely fashion;

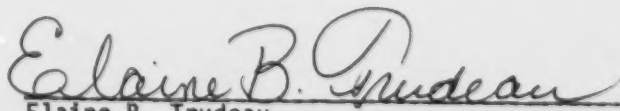
Harold Leonard, supervisor of the Records Unit, which is responsible for maintaining all records and issuing certified copies;

James Orseno, supervisor of the Operations Unit, which is responsible for all printing and mailing of forms.

The 1985 ANNUAL REPORT OF VITAL STATISTICS has been compiled and produced under the general supervision and direction of:

James V. Divver, Assistant Commissioner, Bureau of Health Care Systems;

Daniel J. Friedman, Ph.D., Director of the Division of Health Statistics and Research.


Elaine B. Trudeau
Editor

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INTRODUCTION

The Annual Report of Vital Statistics (Public Document No. 1) has been continuously published since 1842. This is the 22nd edition produced by the Department of Public Health. The report, required under the provisions of Section 2, Chapter 111 of the Massachusetts General Laws, tabulates data on Massachusetts births, fetal deaths, deaths, marriages, divorces, induced abortions, and population for calendar year 1985. Approximately 2,000 copies of the report are distributed to federal, state, and local governmental agencies, private and public health planners and researchers, students and members of the general public. The report provides its users with an overview of the health status of the Massachusetts population.

Vital statistics data may be tabulated either in terms of residence or occurrence data. Resident data include all events which occur to residents of the Commonwealth wherever they occur. Occurrence data include all those events which occur within the state, including those which occur to out-of-state residents. There is an interstate exchange agreement among the fifty states and Canada which provides for the exchange of copies of birth and death records. These records are exchanged for statistical purposes only, for events which occur in states other than where the individual resides; this allows each of the states and provinces to track the births and deaths of their residents. The majority of the data presented in this report for births and deaths is based on resident data. Fetal death, marriage, divorce, and induced abortion data, however, reflect occurrences within the Commonwealth only.

REGISTRATION

The first government operated system of vital events registration anywhere in the world began in the Commonwealth of Massachusetts in 1639 under colonial administration. Prior to that time, in countries such as England with a vital registration system, the responsibility for the registration of vital events had been placed on church officials. The Massachusetts system mandated the registration of vital events by the clerks of the communities. In 1841, the Massachusetts legislature established the first statewide coordination for the registration of these events by requiring that copies of the events registered in the local cities and towns be sent to the Secretary of State. In 1976, the responsibility for the state coordination was transferred to the Department of Public Health. This was accomplished to rejoin the statistical and registration functions which had been separated by the 1964 transfer of the statistical function to the department of public health. With the exception of the administrative location of the State Registry, the actual mechanics of the system have changed remarkably little over the years.

With limited exceptions, most vital records in Massachusetts are open, public records. The figure on the next page illustrates the registration process in Massachusetts. For open birth and death records, there is a triple registration process in Massachusetts. The event is first recorded in the city or town where the event occurred. The clerk of that community is then required to forward a certified copy of the record to the community where the person resided at the time of the event and a copy to the State Registry. Certified copies of the records may be issued from local or state records. If the record is a restricted record, such as those of out-of-wedlock births, the registration occurs only in the community where the event occurred and the state office.

The Vital Records and Statistics Process

PROCESS

PRODUCT

BIRTHS



MARRIAGES



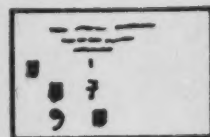
DEATHS



CITY AND TOWN CLERKS



STATE REGISTRY OF VITAL RECORDS AND STATISTICS



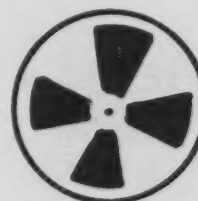
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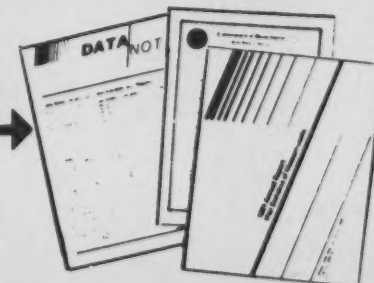
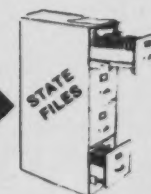
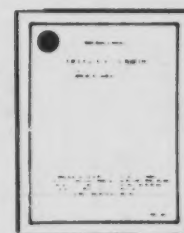
DATA ENTRY



COMPUTER EDITING



COMPUTER
STATISTICAL FILES



In addition to receiving a legal copy of each birth record from the city or town in which the birth occurred, the State Registry also receives a confidential copy of the birth record directly from the hospital or birth center where the birth occurred. This copy includes confidential medical information in addition to the legal information. It is this copy of the record which is processed to produce the statistical information on births contained in this report.

Anyone wishing to be married in the Commonwealth may receive their license from any of the 351 cities or towns in the state regardless of where they reside or where the marriage is to take place. The community issuing the license is required to send an attested copy of the marriage record to the State Registry.

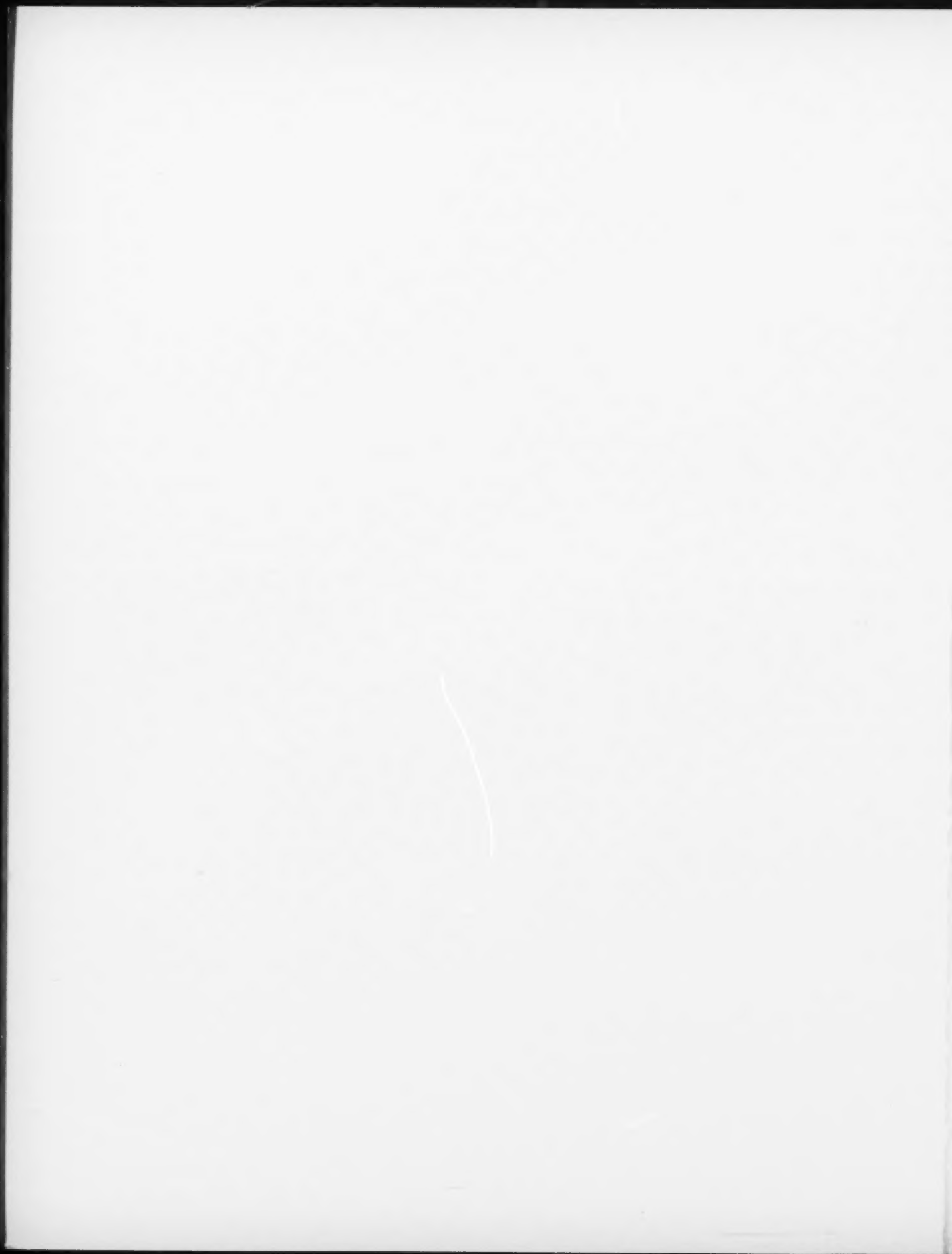
The Registry of Vital Records and Statistics receives directly from hospitals the reports of fetal deaths of twenty or more weeks gestation. There are no local filings of fetal death reports. The State Registry receives summary reports of induced abortions each month from hospitals, clinics, and physicians. Abstracts of divorces granted are also sent directly to the State Registry from the Registers of Probate from each county probate court.

STATISTICAL PROCESSING AND TABULATING

The records received in the State Registry are carefully examined for errors or inconsistencies and problems resolved. These records are then coded and computerized. Annually, when registration is considered as complete as possible, statistics are aggregated for presentation in this report, special studies, and program monitoring and surveillance.

Anyone using statistical information for comparisons over time should be aware of inconsistencies and changing conventions for classification and coding. This is particularly important when using cause of death information. Codes used for classifying cause of death in this report are based on the Ninth Revision of the International Classification of Diseases, World Health Organization. Classification of variables such as race, nativity, and marital status may also differ over time.

It is hoped that this report will be useful to a wide range of health data users in the Commonwealth, as well as educational planners, demographers, and historians. Questions concerning these data and requests for more detailed findings should be directed to the Massachusetts Department of Public Health, Division of Health Statistics and Research, 150 Tremont Street, Boston, Massachusetts 02111, (617) 727-2977.



VITAL EVENTS

SECTION A
VITAL EVENTS

HIGHLIGHTS

LIVE BIRTHS

- ** 81,776 live births occurred to Massachusetts residents in 1985.
- ** Live births increased by 4.6% from 1984 to 1985--the largest annual percentage increase since 1957.
- ** The live birth rate increased in Massachusetts from 13.6 per 1,000 population in 1984 to 14.1 in 1985.
- ** Massachusetts' 1985 live birth rate of 14.1 per 1,000 population remains below the 1985 U.S. rate of 15.7.
- ** The largest number of births occurred in July (9.1%--7,447), with the smallest number occurring in February (7.4%--6,072). (See Section B for further information on Natality.)

DEATHS

- ** 55,590 deaths occurred to Massachusetts residents in 1985.
- ** The number of deaths increased by 0.7% from 1984 to 1985.
- ** The rate of deaths decreased slightly in Massachusetts from 9.6 per 1,000 population in 1984 to 9.5 in 1985. The U.S. death rate remained constant in 1985 at 8.7.
- ** The largest number of deaths occurred in January (9.5%--5,284), with the smallest number occurring in June (7.4%--4,123). (See Section C for more complete information on Mortality.)

FETAL DEATHS

- ** 556 reportable fetal deaths occurred to Massachusetts residents in 1985.
- ** Reportable fetal deaths decreased by 4.5 % from 1984 to 1985, to 556 for a rate of 6.7 per 1,000 live births and fetal deaths. No comparable U.S. data are available. (See section D for further information on fetal deaths.)

INFANT DEATHS

- ** 745 infant deaths (those less than 1 year) occurred to Massachusetts residents in 1985.
- ** For the first time since 1982, the Massachusetts infant death rate increased. The overall rate rose from 8.9 deaths per 1,000 live births in 1984 to 9.1 deaths in 1985.

- ** The increase was primarily concentrated in deaths during the neonatal period (those less than 28 days), and was particularly dramatic in the minority community.
- ** The Massachusetts 1985 infant death rate of 9.1 per 1,000 live births still remained considerably below the U.S. rate of 10.6. (See Section D for further information on Infant Mortality.)

MARRIAGES

- ** 49,849 marriages took place in Massachusetts in 1985.
- ** The number of marriages in Massachusetts decreased by slightly less than 1% from 1984 to 1985. The number of marriages nationally decreased by 2.1% during the same period.
- ** The 1985 Massachusetts rate of 8.6 marriages per 1,000 population remains below the U.S. rate of 10.1.
- ** June is still the favorite month for marriages with 7,111 (14.3%), with the fewest occurring in January (1,640--3.3%).

DIVORCES

- ** 21,573 divorces were granted in Massachusetts in 1985.
- ** Divorces in Massachusetts increased by 26.0% from 1984 to 1985. This increase may be inflated by a change in the law, explained further in Section E.
- ** Even with this large increase, the 1985 Massachusetts divorce rate of 3.7 per 1,000 population remains considerably below the U.S. rate of 5.0.
- ** The largest number of divorces were finalized in July with 3,003 (13.9%), and November the least (1,246--5.8%).

ABORTION

- ** The rate of abortions increased from 5.5 per 1,000 population in 1984 to 6.0 in 1985.

NATURAL INCREASE

- ** The rate of natural increase (difference between the rate of births and deaths) rose in Massachusetts to 4.6 per 1,000 residents in 1985 from 4.0 in 1984.
- ** The 1985 U.S. rate of natural increase of 7.0 remains far above that of Massachusetts.

The Vital Events section provides basic information on all vital events. In addition to the information highlighted above, this section contains summary birth and death data by city and town, county, and health service area. More detailed information is contained in the sections on the individual events.

DEFINITIONS AND RATES IMPORTANT FOR SECTION INCLUDE:

HEALTH SERVICE AREA	In accordance with the National Health Planning and Resources Development Act of 1974 (P.L. 93-641), Massachusetts is divided into six Health Service Areas (HSAs) for the purpose of planning and developing health services.
OCCURRENCE	The place where the event actually happened. In Massachusetts, place will be one of 351 cities or towns.
RESIDENCE	The usual place of residence as reported by the mother (for births) or the informant (for deaths). An infant's residence is considered that of its mother. While occurrence data include only events that occurred within Massachusetts, residence data for births and deaths include those which may or may not have occurred within Massachusetts.

CRUDE RATES OF VITAL EVENTS

BIRTH	$\frac{\text{No. of Resident Live Births}}{\text{Total Population}} \times 1,000$
FETAL MORTALITY	$\frac{\text{No. of Resident Fetal Deaths}}{\text{Live Births} + \text{Fetal Deaths}} \times 1,000$
INFANT MORTALITY	$\frac{\text{No. of Resident Deaths LT 1 Year}}{\text{Live Births}} \times 1,000$
NEONATAL MORTALITY	$\frac{\text{No. of Resident Deaths LT 28 Days}}{\text{Live Births}} \times 1,000$
DEATH	$\frac{\text{No. of Resident Deaths}}{\text{Total Population}} \times 1,000$
MARRIAGE	$\frac{\text{No. of Occurrence Marriages}}{\text{Total Population}} \times 1,000$
DIVORCE	$\frac{\text{No. of Occurrence Divorces}}{\text{Total Population}} \times 1,000$
ABORTION	$\frac{\text{No. of Occurrence Abortions}}{\text{Total Population}} \times 1,000$



FIGURE A-1
1985 MASSACHUSETTS VITAL EVENTS
Each day Massachusetts residents had approximately:

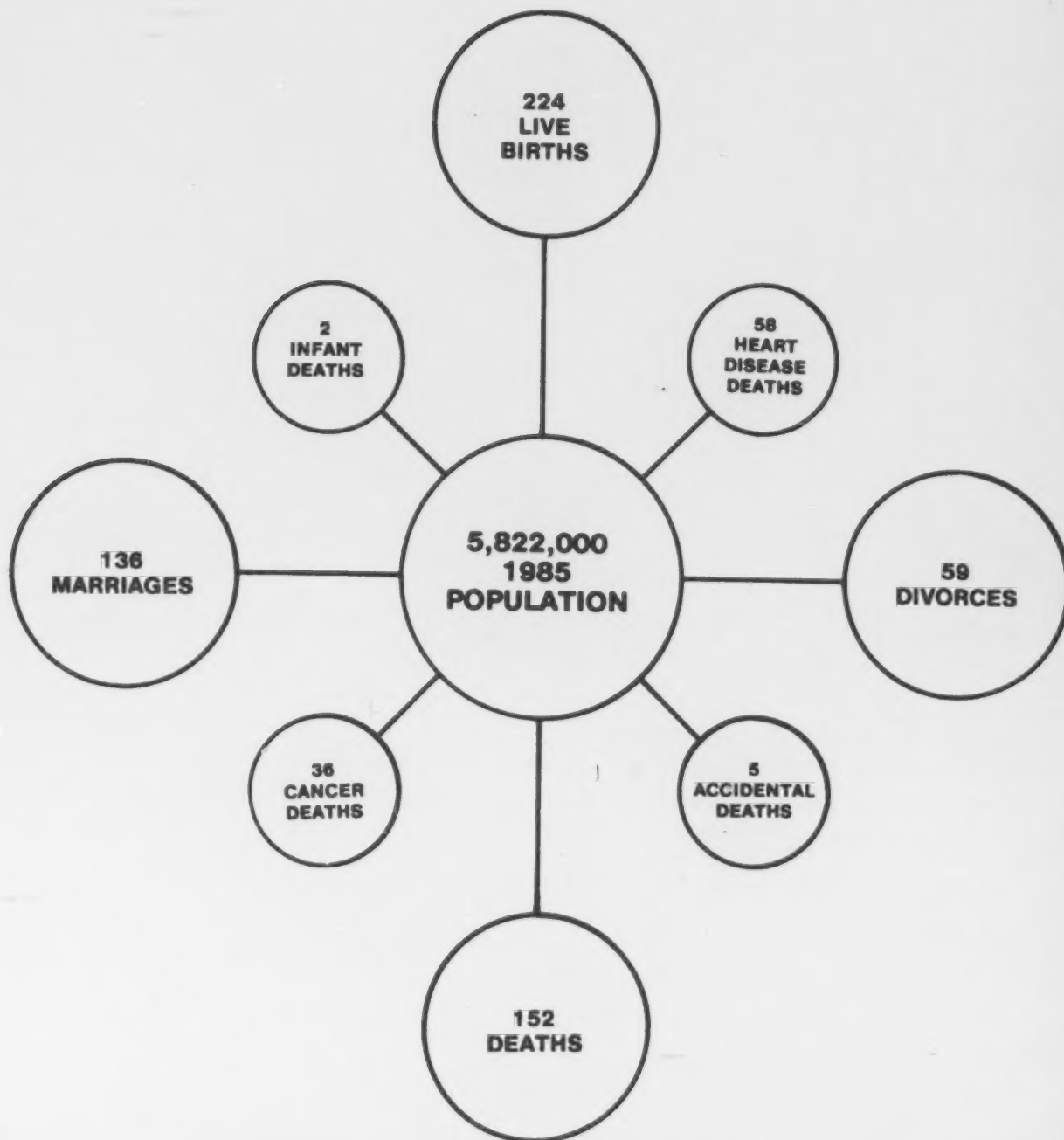


TABLE A-1
SUMMARY OF VITAL EVENTS--MASSACHUSETTS AND UNITED STATES
1984-1985

VITAL EVENT	- MASSACHUSETTS -			- UNITED STATES -		
	1985	1984	% CHANGE	1985	1984	% CHANGE
LIVE BIRTHS	81,776	78,198	+4.6	3,760,561	3,669,141*	+2.5
FETAL DEATHS	556	582	-4.5	N/A	N/A	N/A
TOTAL DEATHS	55,590	55,189	+0.7	2,086,440	2,039,369*	+2.3
INFANT DEATHS	745	699	+6.6	40,030	39,580*	+1.1
NEONATAL DEATHS	538	472	+14.0	26,179	25,360	+3.2
MARRIAGES	49,849	50,306	-0.9	2,425,000	2,477,192	-2.1
DIVORCES	21,573	17,123	+26.0	1,187,000	1,155,000	+2.8
ABORTIONS	35,136	31,876	+10.2	N/A	N/A	N/A

NOTE: NEONATAL AND INFANT DEATHS ARE INCLUDED IN TOTAL DEATHS; FETAL DEATHS ARE EXCLUDED FROM TOTAL DEATHS. FIGURES FOR MARRIAGES, DIVORCES AND ABORTION REFLECT OCCURRENCE, NOT RESIDENCE.

ALL U.S. 1985 MARRIAGE AND DIVORCE FIGURES ARE PROVISIONAL.

* REVISED

TABLE A-2
CRUDE RATES OF VITAL EVENTS, MASSACHUSETTS AND UNITED STATES
1984-1985

VITAL EVENT	- MASSACHUSETTS -		- UNITED STATES -	
	1985	1984	1985	1984
LIVE BIRTHS	14.1	13.6	15.7	15.5*
FETAL DEATHS	6.7	7.4	N/A	N/A
TOTAL DEATHS	9.5	9.6	8.7	8.7
INFANT DEATHS	9.1	8.9	10.6	10.8*
NEONATAL DEATHS	6.6	6.0	7.0	6.9
MARRIAGES	8.6	8.8	10.1	10.5
DIVORCES	3.7	3.0	5.0	4.9
ABORTIONS	6.0	5.5	N/A	N/A

NOTE: THE RATES FOR LIVE BIRTHS, TOTAL DEATHS, MARRIAGES, DIVORCES AND ABORTIONS ARE PER 1,000 POPULATION.

RATES FOR INFANT AND NEONATAL DEATHS ARE PER 1,000 LIVE BIRTHS.

RATES FOR FETAL DEATHS ARE PER 1,000 LIVE BIRTHS AND FETAL DEATHS.

1985 U.S. RATES FOR MARRIAGES AND DIVORCES ARE PROVISIONAL.

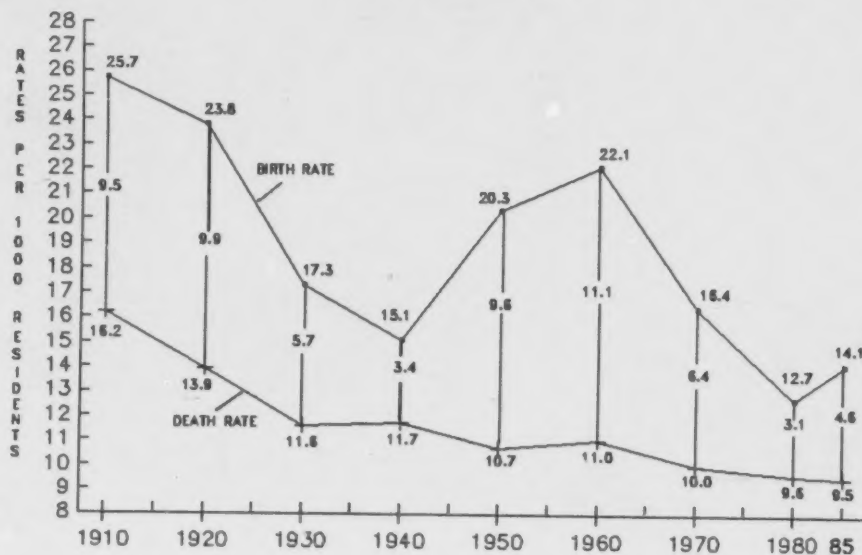
* REVISED

TABLE A-3
MASSACHUSETTS RESIDENT BIRTHS AND DEATHS AND RESULTANT NATURAL INCREASE
1900-1985

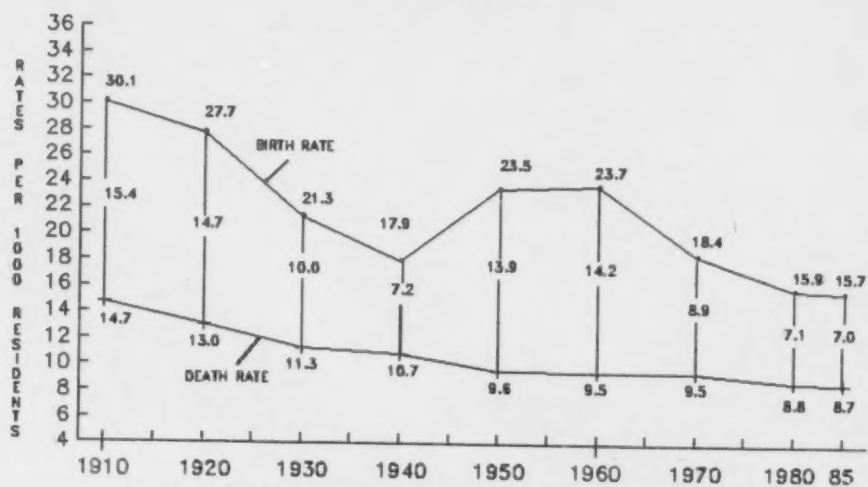
YEAR	BIRTHS	DEATHS	NATURAL INCREASE	RATE
1900	73,386	51,156	22,230	7.9
1905	75,022	50,486	24,536	8.2
1910	86,539	54,407	32,132	9.5
1915	93,155	53,131	40,024	10.8
1920	91,859	53,632	38,227	9.9
1925	86,014	51,890	34,124	8.2
1930	73,690	49,503	24,187	5.7
1935	62,416	49,634	12,782	2.9
1940	65,369	50,698	14,671	3.4
1945	76,455	50,763	25,692	5.7
1950	95,619	50,359	45,260	9.6
1955	109,610	53,386	56,224	11.6
1960	114,018	56,560	57,458	11.2
1965	100,262	58,853	41,409	7.8
1970	93,582	56,944	36,638	6.4
1975	68,070	53,708	14,362	2.5
1980	72,591	54,935	17,656	3.1
1981	73,931	52,814	21,117	3.7
1982	75,749	52,868	22,881	4.0
1983	76,031	54,150	21,881	3.8
1984	78,198	55,189	23,009	4.0
1985	81,776	55,590	26,186	4.6

FIGURE A-2
RATE OF NATURAL INCREASE
1910-1985

MASSACHUSETTS



UNITED STATES



NOTE: U.S. DATA IS PROVISIONAL

TABLE A-4
VITAL EVENTS BY MONTH
1985

		BIRTHS	FETAL DEATHS	DEATHS	INFANT DEATHS	NEONATAL DEATHS	MARRIAGES	DIVORCES	ABORTIONS
TOTALS	N %	81,776 100.0	556 100.0	55,590 100.0	745 100.0	538 100.0	49,849 100.0	21,573 100.0	35,136 100.0
JANUARY	N %	6,235 7.6	53 9.5	5,284 9.5	54 7.2	37 6.9	1,640 3.3	1,387 6.4	2,796 8.0
FEBRUARY	N %	6,072 7.4	33 5.9	5,153 9.3	54 7.2	31 5.8	2,014 4.0	1,277 5.9	2,654 7.6
MARCH	N %	6,797 8.3	38 6.8	5,073 9.1	61 8.2	37 6.9	2,501 5.0	1,328 6.1	3,328 9.5
APRIL	N %	6,752 8.3	50 9.0	4,595 8.3	60 8.1	47 8.7	3,499 7.0	1,374 6.4	2,984 8.5
MAY	N %	7,255 8.9	52 9.4	4,550 8.2	83 11.1	69 12.8	5,350 10.7	1,666 7.7	3,002 8.5
JUNE	N %	6,791 8.3	43 7.7	4,123 7.4	64 8.6	48 8.9	7,111 14.3	2,842 13.2	2,961 8.4
JULY	N %	7,447 9.1	45 8.1	4,252 7.7	59 7.9	46 8.6	3,847 7.7	3,003 13.9	2,931 8.3
AUGUST	N %	7,360 9.0	59 10.6	4,168 7.5	69 9.3	53 9.8	5,721 11.5	2,820 13.1	3,248 9.3
SEPTEMBER	N %	7,143 8.7	42 7.6	4,269 7.7	67 9.0	50 9.3	6,348 12.7	1,753 8.1	2,516 7.2
OCTOBER	N %	6,945 8.5	49 8.8	4,693 8.4	52 7.0	36 6.7	5,643 11.3	1,415 6.6	3,069 8.7
NOVEMBER	N %	6,523 8.0	50 9.0	4,524 8.1	62 8.3	44 8.2	3,709 7.5	1,246 5.8	2,892 8.2
DECEMBER	N %	6,456 7.9	42 7.6	4,906 8.8	60 8.1	40 7.4	2,466 5.0	1,462 6.8	2,755 7.8

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1985

	OCCURRENCE		*** RESIDENT BIRTHS *****						***** RESIDENT DEATHS *****								RESIDENT NATURAL INCREASE		
			BIRTH ---M A T U R E---			I M M A T U R E			----ALL DEATHS----			----INFANT----		---NEONATAL---					
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEM	TOTAL	MALE	FEMALE	TOTL	MALE	FEM	TOTL	MALE	FEM	
ABINGTON	0	53	216	205	100	105	11	4	7	126	57	69	0	0	0	0	0	0	90
ACTON	1	52	204	198	93	105	6	2	4	95	52	43	2	1	1	2	1	1	109
ACUSHNET	0	24	91	87	49	38	4	3	1	80	42	38	2	2	0	2	2	0	11
ADAMS	0	26	103	92	38	54	11	3	8	111	63	48	0	0	0	0	0	0	-8
AGAWAM	1	126	324	304	149	155	20	9	11	236	119	117	1	1	0	1	1	0	88
ALFORD	0	2	5	5	4	1	0	0	0	5	4	1	0	0	0	0	0	0	0
AMESBURY	0	155	304	285	151	134	19	6	13	144	73	71	4	2	2	3	1	2	160
AMHERST	5	44	187	179	97	82	8	4	4	103	50	53	1	1	0	1	1	0	84
ANDOVER	2	57	359	337	167	170	22	10	12	214	98	116	2	2	0	2	2	0	145
ARLINGTON	3	443	494	464	239	225	30	14	16	549	243	306	4	2	2	3	2	1	-55
ASHBURNHAM	0	3	61	60	29	31	1	1	0	42	20	22	0	0	0	0	0	0	19
ASHBY	0	3	42	42	19	23	0	0	0	21	9	12	0	0	0	0	0	0	21
ASHFIELD	5	3	25	22	15	7	3	1	2	14	6	8	0	0	0	0	0	0	11
ASHLAND	1	2	194	188	103	85	6	2	4	58	33	25	0	0	0	0	0	0	136
ATHOL	3	164	161	158	74	84	3	2	1	124	67	57	0	0	0	0	0	0	37
ATTLEBORO	1024	474	560	540	289	251	20	11	9	311	157	154	6	4	2	5	3	2	249
AUBURN	1	24	188	179	103	76	9	4	5	150	88	62	2	2	0	2	2	0	38
AVON	0	10	65	61	34	27	4	0	4	44	25	19	1	0	1	1	0	1	21
AYER	1	159	341	314	166	148	27	15	12	68	37	31	4	2	2	3	2	1	273
BARNSTABLE	1198	998	502	484	253	231	18	13	5	435	202	233	2	2	0	1	1	0	67
BAPPE	0	7	61	53	31	22	8	3	5	36	17	19	0	0	0	0	0	0	25
BECKET	0	3	20	19	12	7	1	0	1	14	11	3	1	1	0	1	1	0	6
BEDFORD	0	209	212	203	112	91	9	6	3	105	51	54	3	3	0	1	1	0	107
BELCHERTOWN	2	13	131	126	65	61	5	3	2	55	33	22	0	0	0	0	0	0	76

*Immature births are births of 2,500 grams or less in weight.

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1985

	OCCURRENCE		*** RESIDENT BIRTHS ***									***** RESIDENT DEATHS *****									RESIDENT NATURAL INCREASE
			BIRTH---M A T U R E---			I M M A T U R E			----ALL DEATHS----			----INFANT----			----NEONATAL--						
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML			
BELLINGHAM	1	14	221	202	104	98	19	8	11	79	38	41	3	2	1	1	1	0	142		
BELMONT	1	75	268	256	128	128	12	4	8	316	129	187	2	1	1	2	1	1	-48		
BERKLEY	0	7	36	35	14	21	1	1	0	19	9	10	0	0	0	0	0	0	17		
BERLIN	0	0	27	27	15	12	0	0	0	6	5	1	0	0	0	0	0	0	21		
BERNARDSTON	0	2	19	19	10	9	0	0	0	17	9	8	1	1	0	1	1	0	2		
BEVERLY	1331	467	521	499	254	245	22	14	8	362	173	189	3	2	1	1	1	0	159		
BILLERICA	3	59	607	574	290	284	33	13	20	215	120	95	4	4	0	3	3	0	392		
BLACKSTONE	0	15	109	101	52	49	8	2	6	59	26	33	0	0	0	0	0	0	50		
BLANDFORD	0	0	14	13	5	8	1	0	1	10	9	1	0	0	0	0	0	0	4		
BOLTON	0	3	42	40	23	17	2	2	0	7	3	4	0	0	0	0	0	0	35		
BOSTON	19828	9636	8938	8176	4126	4050	762	378	384	5760	2884	2876	138	65	73	101	48	53	3178		
BOUPNE	2	106	248	229	115	114	19	12	7	154	88	66	3	3	0	3	3	0	94		
BOXBOROUGH	0	3	57	56	35	21	1	1	0	14	8	6	1	0	1	0	0	0	43		
BOXFORD	0	5	66	64	29	35	2	0	2	19	11	8	0	0	0	0	0	0	47		
BOYLSTON	1	68	48	46	27	19	2	2	0	41	25	16	0	0	0	0	0	0	7		
BPAINTREE	1	356	387	369	191	178	18	9	9	410	165	245	5	3	2	4	2	2	-23		
BREWSTER	0	67	83	81	45	36	2	2	0	67	40	27	0	0	0	0	0	0	16		
BRIDGEWATER	1	19	273	258	132	126	15	5	10	109	54	55	1	0	1	1	0	1	164		
BRIMFIELD	0	2	32	30	15	15	2	2	0	21	11	10	1	1	0	1	1	0	11		
BROCKTON	1247	1523	1729	1632	831	801	97	49	48	930	450	480	23	16	7	17	12	5	799		
BROCKFIELD	0	2	47	44	22	22	3	1	2	26	13	13	1	1	0	1	1	0	21		
BROOKLINE	5	209	553	521	258	263	32	15	17	553	236	317	2	1	1	2	1	1	0		
BUCKLAND	1	7	28	27	12	15	1	1	0	18	11	7	0	0	0	0	0	0	10		
BURLINGTON	2	310	275	260	130	130	15	10	5	140	79	61	3	2	1	1	1	0	135		

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1985

	OCCURRENCE		*** RES I D E N T B I R T H S *****						***** RES I D E N T D E A T H S *****									RESIDENT NATURAL INCREASE	
			BIRTH	---M A T U R E---		I M M A T U R E		----ALL DEATHS----			----INFANT----			---NEONATAL---					
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEM	TOTAL	MALE	FEMALE	TOTL	MALE	FEM	TOTL	MALE	FEM	
CAMBRIDGE	1656	1434	1133	1064	563	501	69	26	43	802	369	433	17	9	8	10	5	5	331
CANTON	1	31	192	187	98	89	5	3	2	143	64	79	3	2	1	2	2	0	49
CARLISLE	2	5	61	59	30	29	2	1	1	16	7	9	1	1	0	1	1	0	45
CARVER	0	10	145	141	76	65	4	2	2	76	44	32	1	0	1	1	0	1	69
CHARLEMONT	2	1	18	18	7	11	0	0	0	10	8	2	0	0	0	0	0	0	8
CHARLTON	0	32	148	139	77	62	9	4	5	67	44	23	0	0	0	0	0	0	81
CHATHAM	3	37	56	51	23	28	5	2	3	105	51	54	0	0	0	0	0	0	-49
CHELMSFORD	0	74	370	358	205	153	12	8	4	233	105	128	4	2	2	1	0	1	137
CHELSEA	3	154	495	452	224	228	43	24	19	341	202	139	1	0	1	1	0	1	154
CHESHIRE	0	3	50	47	19	28	3	1	2	24	13	11	0	0	0	0	0	0	26
CHESTER	0	2	13	12	7	5	1	0	1	12	6	6	0	0	0	0	0	0	1
CHESTERFIELD	0	1	20	20	9	11	0	0	0	4	3	1	0	0	0	0	0	0	16
CHICOPEE	5	176	745	699	350	349	46	23	23	623	320	303	5	3	2	4	2	2	122
CHILMARK	0	0	6	5	5	0	1	1	0	3	1	2	0	0	0	0	0	0	3
CLARKSBURG	0	3	22	21	11	10	1	0	1	15	8	7	0	0	0	0	0	0	7
CLINTON	1	116	227	211	97	114	16	6	10	148	81	67	6	2	4	5	1	4	79
COHASSET	0	42	86	80	39	41	6	3	3	72	37	35	0	0	0	0	0	0	14
COLRAIN	0	3	30	27	13	14	3	1	2	16	8	8	0	0	0	0	0	0	14
CONCORD	1885	363	170	162	80	82	8	2	6	149	48	101	3	0	3	2	0	2	21
CONWAY	1	4	27	24	11	13	3	1	2	8	6	2	0	0	0	0	0	0	19
CUMMINGTON	0	2	10	9	3	6	1	0	1	3	2	1	0	0	0	0	0	0	7
DALTON	0	18	81	79	42	37	2	2	0	61	33	28	1	1	0	1	1	0	20
DANVERS	666	365	305	291	148	143	14	8	6	237	96	143	2	2	0	0	0	0	66
DARTMOUTH	2	98	244	231	121	110	13	4	9	226	118	108	3	1	2	3	1	2	18

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1985

	OCCURRENCE		*** RES I D E N T B I R T H S *****							***** RES I D E N T D E A T H S *****							RESIDENT NATURAL INCREASE		
			BIRTH	---M A T U R E---			I M M A T U R E---			ALL DEATHS---	---INFANT---			---NEONATAL---					
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL		MALE	FEML
DEDHAM	2	69	283	271	143	128	12	7	5	260	123	137	1	1	0	1	1	0	23
DEERFIELD	0	18	47	46	28	18	1	1	0	27	15	12	0	0	0	0	0	0	20
DEIRNIS	4	51	153	144	70	74	9	2	7	180	88	92	2	0	2	2	0	2	-2
DIGHTON	0	7	79	77	42	35	2	1	1	41	23	18	0	0	0	0	0	0	38
DOUGLAS	0	15	78	73	35	38	5	2	3	36	19	17	0	0	0	0	0	0	42
DOVER	1	8	43	41	24	17	2	2	0	31	17	14	1	1	0	1	1	0	12
DRACUT	2	23	363	345	184	161	18	10	8	163	80	83	5	1	4	5	1	4	200
DUDLEY	1	18	99	95	51	44	4	3	1	79	39	40	0	0	0	0	0	0	20
DURISTABLE	0	0	33	32	16	16	1	1	0	7	4	3	0	0	0	0	0	0	26
DUXBURY	0	61	185	180	104	76	5	3	2	103	53	50	1	1	0	0	0	0	82
EAST BRIDGEWATER	1	23	136	129	74	55	7	3	4	63	30	33	1	0	1	0	0	0	73
EAST BROOKFIELD	0	5	25	25	13	12	0	0	0	19	11	8	0	0	0	0	0	0	6
EAST LONGMEADOW	1	51	104	100	46	54	4	2	2	120	54	66	0	0	0	0	0	0	-16
EASTHAM	1	11	38	37	22	15	1	1	0	47	27	20	0	0	0	0	0	0	-9
EASTHAMPTON	0	26	207	204	99	105	3	1	2	149	79	70	2	1	1	2	1	1	58
EASTON	1	42	276	250	127	123	26	12	14	120	63	57	0	0	0	0	0	0	156
EDGARTOWN	1	5	50	48	22	26	2	0	2	19	11	8	0	0	0	0	0	0	31
EGREMONT	0	4	13	13	5	8	0	0	0	10	5	5	0	0	0	0	0	0	3
ERVING	0	3	12	12	6	6	0	0	0	6	3	3	0	0	0	0	0	0	6
ESSEX	0	8	37	35	20	15	2	2	0	24	15	9	0	0	0	0	0	0	13
EVERETT	1	433	512	482	241	241	30	9	21	457	229	228	4	2	2	4	2	2	55
FAIRHAVEN	0	87	169	161	82	79	8	2	6	187	91	96	0	0	0	0	0	0	-18
FALL RIVER	1983	1503	1371	1264	642	622	107	50	57	1127	566	561	10	6	4	8	4	4	244
FALMOUTH	494	406	313	294	151	143	19	5	14	322	156	166	2	1	1	0	0	0	-9

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1985

	OCCURRENCE		*** RESIDENT BIRTHS ***						***** RESIDENT DEATHS *****									RESIDENT NATURAL INCREASE	
			BIRTH---M A T U R E---			I M M A T U R E			---ALL DEATHS---			---INFANT---			---NEONATAL---				
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEM	TOTAL	MALE	FEMALE	TOTL	MALE	FEM	TOTL	MALE	FEM	
FITCHBURG	849	500	659	621	309	312	38	20	18	441	189	252	7	2	5	3	1	2	218
FLORIDA	0	2	8	8	2	6	0	0	0	7	4	3	0	0	0	0	0	0	1
FOXBOROUGH	1	28	216	206	105	101	10	7	3	108	56	52	2	2	0	2	2	0	108
FRAMINGHAM	2097	753	827	772	379	393	55	28	27	535	242	293	9	6	3	6	4	2	292
FRANKLIN	0	28	338	319	169	150	19	5	14	130	61	69	2	0	2	2	0	2	208
FREETOWN	0	7	74	70	36	34	4	2	2	45	28	17	1	0	1	1	0	1	29
GAPDNER	333	300	286	265	122	143	21	12	9	219	108	111	4	2	2	3	1	2	67
GAY HEAD	0	2	2	2	2	0	0	0	0	3	2	1	0	0	0	0	0	0	-1
GEORGETOWN	1	7	71	69	36	33	2	2	0	32	17	15	0	0	0	0	0	0	39
GILL	1	4	24	19	10	9	5	1	4	14	8	6	3	1	2	2	0	2	10
GLOUCESTER	339	281	470	444	241	203	26	7	19	268	128	140	4	1	3	3	0	3	202
GOSHEN	1	2	18	16	10	6	2	0	2	3	2	1	0	0	0	0	0	0	15
GOSHOLD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRAFTON	0	24	183	176	84	92	7	3	4	101	42	59	1	0	1	0	0	0	82
GRANBY	0	5	64	64	29	35	0	0	0	35	22	13	0	0	0	0	0	0	29
GRANVILLE	0	2	15	15	9	6	0	0	0	8	8	0	0	0	0	0	0	0	7
GREAT BARRINGTON	142	181	91	90	54	36	1	1	0	105	37	68	0	0	0	0	0	0	-14
GREENFIELD	873	309	244	228	133	95	16	8	8	214	106	108	3	2	1	1	1	0	30
GROTON	1	20	106	100	53	47	6	3	3	50	29	21	0	0	0	0	0	0	56
GROVELAND	0	2	79	74	41	33	5	2	3	26	17	9	1	1	0	1	1	0	53
HADLEY	2	10	55	54	27	27	1	1	0	41	21	20	0	0	0	0	0	0	14
HALIFAX	0	9	95	87	45	42	8	5	3	61	32	29	3	2	1	2	2	0	34
HAMILTON	1	9	95	92	52	40	3	0	3	43	23	20	0	0	0	0	0	0	52
HAMPDEN	1	20	65	61	26	35	4	2	2	29	16	13	0	0	0	0	0	0	36

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1985

	OCCURRENCE		*** RES I D E N T B I R T H S *****						***** RES I D E N T D E A T H S *****									RESIDENT NATURAL INCREASE	
			BIRTH	---M A T U R E---			I M M A T U R E		---ALL DEATHS---			---INFANT---			---NEONATAL---				
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEM	TOTAL	MALE	FEM	TOTL	MALE	FEM	TOTL	MALE		FEM
HANCOCK	0	0	8	8	6	2	0	0	0	3	1	2	0	0	0	0	0	0	5
HANOVER	0	13	146	135	56	79	11	4	7	66	39	27	0	0	0	0	0	0	80
HANSON	1	27	130	124	71	53	6	6	0	54	21	33	1	1	0	1	1	0	76
HARDWICK	0	7	34	34	16	18	0	0	0	28	15	13	0	0	0	0	0	0	6
HARVARD	0	12	55	53	27	26	2	1	1	17	12	5	1	1	0	1	1	0	38
HAPHWICH	1	53	90	81	37	44	9	5	4	143	74	69	1	0	1	0	0	0	-53
HATFIELD	0	4	28	27	11	16	1	1	0	32	13	19	0	0	0	0	0	0	-4
HAVERHILL	566	676	787	746	398	348	41	21	20	594	273	321	3	3	0	3	3	0	193
HAWLEY	0	1	4	4	3	1	0	0	0	1	0	1	0	0	0	0	0	0	3
HEATH	0	2	7	6	5	1	1	0	1	6	3	3	0	0	0	0	0	0	1
HINGHAM	1	26	220	213	111	102	7	6	1	129	52	77	4	2	2	3	2	1	91
HINSDALE	0	16	36	33	15	18	3	3	0	23	12	11	0	0	0	0	0	0	13
HOLBROOK	0	13	137	129	66	63	8	4	4	99	52	47	3	3	0	3	3	0	38
HOLDEN	4	116	168	155	82	73	13	7	6	97	49	48	2	1	1	1	1	0	71
HOLLAND	0	1	35	34	15	19	1	0	1	6	4	2	0	0	0	0	0	0	29
HOLLISTON	2	9	182	175	95	80	7	3	4	78	39	39	1	1	0	1	1	0	104
HOLYOKE	1059	1014	806	754	390	364	52	28	24	594	279	315	10	5	5	3	1	2	212
HOPEDALE	1	33	65	61	30	31	4	3	1	58	29	29	1	1	0	1	1	0	7
HOPKINTON	0	5	106	104	58	46	2	2	0	44	24	20	0	0	0	0	0	0	62
HUEBARDSTON	2	3	42	38	18	20	4	2	2	15	9	6	0	0	0	0	0	0	27
HUDSON	0	15	274	254	118	136	20	8	12	104	48	56	2	0	2	2	0	2	170
HULL	2	25	152	144	78	66	8	2	6	93	38	55	0	0	0	0	0	0	59
HUNTINGTON	0	3	27	25	11	14	2	0	2	14	9	5	0	0	0	0	0	0	13
IPSWICH	0	48	161	159	92	67	2	1	1	96	51	45	1	1	0	1	1	0	65

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1985

	OCCURRENCE		*** RESIDENT BIRTHS *****						***** RESIDENT DEATHS *****										PRESIDENT NATURAL INCREASE
	BIRTHS	DEATHS	BIRTH	---M A T U R E---		I M M A T U R E		---ALL DEATHS---			---INFANT---			---NEONATAL---					
			TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMLE	TOTAL	MALE	FEMALE	TOTL	MALE	FEMLE	TOTL	MALE	FEMLE	
KINGSTON	0	14	134	129	66	63	5	2	3	67	32	35	1	1	0	0	0	0	67
LAKEVILLE	0	42	71	69	32	37	2	0	2	59	36	23	0	0	0	0	0	0	12
LANCASTER	1	25	74	67	36	31	7	3	4	44	23	21	0	0	0	0	0	0	30
LANESBOROUGH	0	3	40	40	22	18	0	0	0	22	13	9	0	0	0	0	0	0	18
LAWRENCE	1581	757	1510	1431	726	705	79	45	34	712	363	349	15	9	6	13	7	6	798
LEE	1	25	84	76	42	34	8	4	4	68	26	42	0	0	0	0	0	0	16
LEICESTER	0	11	122	112	61	51	10	4	6	84	43	41	2	1	1	2	1	1	38
LENOX	1	55	77	74	38	36	3	1	2	57	30	27	0	0	0	0	0	0	20
LEOMINSTER	1111	294	560	528	279	249	32	11	21	301	164	137	5	0	5	3	0	3	259
LEVEPETT	2	3	25	24	15	9	1	0	1	8	5	3	2	1	1	1	0	1	17
LEXINGTON	2	119	269	261	151	110	8	4	4	249	121	128	0	0	0	0	0	0	20
LEYDEN	1	0	10	10	5	5	0	0	0	2	1	1	0	0	0	0	0	0	8
LINCOLN	0	11	50	47	19	28	3	1	2	37	15	22	0	0	0	0	0	0	13
LITTLETON	0	17	104	99	45	54	5	1	4	53	25	28	1	1	0	0	0	0	51
LONGMEADOW	0	69	149	141	75	66	8	2	6	141	61	80	0	0	0	0	0	0	8
LOWELL	2598	1513	1751	1639	896	743	112	51	61	1104	518	586	26	14	12	18	9	9	647
LUDLOW	0	166	187	175	101	74	12	8	4	154	87	67	1	0	1	1	0	1	33
LUNEBURG	1	7	89	84	42	42	5	5	0	67	36	31	1	1	0	0	0	0	22
LYNN	1080	989	1367	1275	674	601	92	41	51	944	475	469	20	12	8	12	8	4	423
LYNNFIELD	1	24	114	105	50	55	9	2	7	78	37	41	0	0	0	0	0	0	36
MALDEN	1952	523	794	765	377	388	29	14	15	643	315	328	4	2	2	3	2	1	151
MANCHESTER	0	20	52	52	32	20	0	0	0	54	19	35	0	0	0	0	0	0	-2
MANSFIELD	0	16	229	222	113	109	7	4	3	82	43	39	3	1	2	2	1	1	147
MARBLEHEAD	1	98	227	216	109	107	11	3	8	165	70	95	1	0	1	1	0	1	62

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1985

	OCCURRENCE		*** RESIDENT BIRTHS *****						***** RESIDENT DEATHS *****									RESIDENT NATURAL INCREASE	
			BIRTH	---M A T U R E---			I M M A T U R E			---ALL DEATHS---			---INFANT---			---NEONATAL---			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMF	TOTAL	MALE	FEMALE	TOTL	MALE	FEMF	TOTL	MALE	FEMF	
MARION	0	5	43	43	26	17	0	0	0	39	23	16	0	0	0	0	0	0	4
MARLBOROUGH	4	373	520	497	247	250	23	11	12	316	157	159	1	0	1	1	0	1	204
MARSHFIELD	0	36	370	357	186	171	13	9	4	137	68	69	1	1	0	1	1	0	233
MASHPEE	0	31	80	75	30	45	5	3	2	49	25	24	2	2	0	2	2	0	31
MATTAPOISETT	0	20	78	76	33	43	2	0	2	53	28	25	0	0	0	0	0	0	25
MAYNARD	1	18	177	164	97	67	13	7	6	101	55	46	2	1	1	2	1	1	76
MEDFIELD	0	20	138	132	74	58	6	3	3	61	27	34	0	0	0	0	0	0	77
MEDFORD	8	380	720	679	337	342	41	24	17	619	294	325	6	6	0	4	4	0	101
MEDWAY	0	24	154	144	78	66	10	4	6	79	46	33	4	1	3	3	1	2	75
MELROSE	1260	457	308	301	155	146	7	2	5	290	116	174	1	0	1	1	0	1	18
MENDON	0	1	33	32	12	20	1	0	1	32	19	13	0	0	0	0	0	0	1
MEPRIMAC	0	0	66	62	32	30	4	2	2	26	14	12	1	0	1	0	0	0	40
METHUEN	1284	623	549	522	255	267	27	14	13	414	214	200	6	2	4	4	1	3	135
MIDDLEBOROUGH	0	187	258	247	104	143	11	3	8	131	58	73	1	1	0	1	1	0	127
MIDDLEFIELD	0	1	12	12	8	4	0	0	0	0	0	0	0	0	0	0	0	0	12
MIDDLETON	0	4	74	70	25	45	4	2	2	36	21	15	0	0	0	0	0	0	38
MILFORD	514	323	344	332	187	145	12	10	2	185	93	92	2	1	1	1	0	1	159
MILLBURY	0	27	148	135	61	74	13	5	8	119	63	56	1	1	0	1	1	0	29
MILLIS	0	8	134	124	63	61	10	2	8	44	22	22	2	1	1	1	1	0	90
MILLVILLE	0	4	22	21	9	12	1	0	1	16	7	9	0	0	0	0	0	0	6
MILTON	0	352	357	343	174	169	14	5	9	294	140	154	4	3	1	3	2	1	63
MONROE	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	-1
MONSON	1	10	98	90	44	46	8	4	4	52	27	25	1	1	0	1	1	0	46
MONTAGUE	0	110	126	121	60	61	5	4	1	93	54	39	0	0	0	0	0	0	33

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1985

	OCCURRENCE		*** RESIDENT BIRTHS ***						***** RESIDENT DEATHS *****									RESIDENT NATURAL INCREASE	
			BIRTH	---M A T U R E---			I M M A T U R E			---ALL DEATHS---			---INFANT---			---NEONATAL---			
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEM	TOTAL	MALE	FEMALE	TOTL	MALE	FEM	TOTL	MALE	FEM	
MONTERY	0	2	8	8	3	5	0	0	0	3	1	2	0	0	0	0	0	0	5
MONTGOMERY	0	0	9	8	6	2	1	0	1	0	0	0	0	0	0	0	0	0	9
MOUNT WASHINGTON	0	0	3	3	2	1	0	0	0	1	1	0	0	0	0	0	0	0	2
NAHANT	0	25	53	50	27	23	3	2	1	45	21	24	0	0	0	0	0	0	8
NAHTUCKET	89	67	94	89	48	41	5	2	3	69	34	35	1	1	0	1	1	0	25
NATICK	667	341	394	375	204	171	19	12	7	276	131	145	3	3	0	3	3	0	118
NEEDHAM	1	264	320	313	164	149	7	3	4	272	113	159	0	0	0	0	0	0	48
NEW ASHFORD	0	0	1	1	0	1	0	0	0	2	1	1	0	0	0	0	0	0	-1
NEW BEDFORD	2032	1342	1482	1362	703	659	120	51	69	1170	562	608	17	8	9	11	5	6	312
NEW BRAINTREE	0	2	10	10	2	8	0	0	0	3	1	2	0	0	0	0	0	0	7
NEW MARLBOROUGH	1	4	18	17	7	10	1	1	0	10	8	2	0	0	0	0	0	0	8
NEW SALEM	0	3	13	13	5	8	0	0	0	7	5	2	0	0	0	0	0	0	6
NEWBURY	1	9	79	78	33	45	1	1	0	34	21	13	0	0	0	0	0	0	45
NEWBURYPORT	832	278	216	203	105	98	13	6	7	179	74	105	0	0	0	0	0	0	37
NEWTON	2310	690	881	836	441	395	45	25	20	749	352	397	5	3	2	4	3	1	132
NORFOLK	1	170	139	136	69	67	3	2	1	46	22	24	1	1	0	1	1	0	93
NORTH ADAMS	383	287	217	200	108	92	17	9	8	188	93	95	1	1	0	1	1	0	29
NORTH ANDOVER	0	81	207	198	105	93	9	5	4	201	84	117	1	0	1	1	0	1	6
NORTH ATTLEBORO	0	48	377	359	180	179	18	13	5	157	84	73	4	4	0	3	3	0	220
NORTH BROOKFIELD	0	15	47	46	22	24	1	0	1	37	21	16	1	0	1	1	0	1	10
NORTH READING	0	24	138	134	75	59	4	2	2	59	27	32	1	1	0	1	1	0	79
NORTHAMPTON	1159	583	280	266	123	143	14	7	7	282	124	158	5	3	2	4	3	1	-2
NORTHBOROUGH	0	35	175	168	82	86	7	6	1	70	24	46	0	0	0	0	0	0	105
NORTHBRIDGE	4	63	193	183	88	95	10	3	7	100	46	54	1	1	0	1	1	0	93

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1985

	OCCURRENCE		*** RES I D E N T B I R T H S ***						***** RES I D E N T D E A T H S *****								RESIDENT NATURAL INCREASE		
			BIRTH	---M A T U R E---			I M M A T U R E		----ALL DEATHS----			----INFANT----		---NEONATAL--					
	BIRTHS	DEATHS	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEM	TOTAL	MALE	FEMALE	TOTL	MALE	FEM	TOTL		MALE	FEM
NORTHFIELD	1	4	21	21	10	11	0	0	0	17	8	9	0	0	0	0	0	0	4
NORTON	0	46	182	174	81	93	8	7	1	92	43	49	2	2	0	2	2	0	90
NORWELL	2	41	93	91	40	51	2	1	1	61	27	34	0	0	0	0	0	0	32
NORWOOD	918	599	341	326	155	171	15	6	9	299	152	147	1	0	1	1	0	1	42
OAK BLUFFS	157	65	35	34	16	18	1	0	1	38	15	23	0	0	0	0	0	0	-3
OAKHAM	0	1	15	13	4	9	2	0	2	4	2	2	0	0	0	0	0	0	11
ORANGE	1	12	104	97	44	53	7	4	3	66	34	32	2	1	1	2	1	1	38
ORLEANS	0	27	45	45	24	21	0	0	0	83	29	54	0	0	0	0	0	0	-38
OTIS	0	2	24	23	13	10	1	0	1	5	3	2	0	0	0	0	0	0	19
OXFORD	0	26	172	164	89	75	8	4	4	82	40	42	1	1	0	0	0	0	90
PALMER	2	125	159	153	84	69	6	4	2	138	81	57	1	1	0	0	0	0	21
PAXTON	0	5	39	37	19	18	2	2	0	24	16	8	0	0	0	0	0	0	15
PEABODY	1	229	581	546	286	260	35	18	17	380	206	174	7	5	1	6	4	2	201
PELHAM	0	2	15	14	9	5	1	0	1	5	3	2	0	0	0	0	0	0	10
PEMBROKE	2	24	211	199	111	88	12	7	5	87	44	43	1	0	1	1	0	1	124
PEPPERELL	0	16	182	167	90	77	15	9	6	50	23	27	0	0	0	0	0	0	132
PERU	0	4	18	18	11	7	0	0	0	5	3	2	0	0	0	0	0	0	13
PETERSHAM	0	0	8	7	3	4	1	1	0	8	4	4	1	1	0	1	1	0	0
PHILLIPSTON	1	1	11	10	4	6	1	0	1	9	4	5	0	0	0	0	0	0	2
PITTSFIELD	1450	797	640	590	303	287	50	21	29	554	273	281	7	3	4	5	3	2	86
PLAINFIELD	1	0	7	7	2	5	0	0	0	4	1	3	0	0	0	0	0	0	3
PLAINVILLE	0	6	88	85	50	35	3	0	3	40	18	22	1	0	1	0	0	0	48
PLYMOUTH	799	511	674	639	322	317	35	19	16	362	186	176	6	5	1	4	4	0	312
PLYMPTON	0	5	30	30	17	13	0	0	0	9	7	2	0	0	0	0	0	0	21

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1985

	OCCURRENCE BIRTHS DEATHS		*** RES I D E N T B I R T H S ***							***** RES I D E N T D E A T H S *****									RESIDENT NATURAL INCREASE
			BIRTH		---M A T U R E---			I M M A T U R E		---ALL DEATHS---			---INFANT---			---NEONATAL---			
			TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMLE	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	
PRINCETON	0	1	42	39	14	25	3	2	1	18	10	8	1	1	0	1	1	0	24
PROVINCETOWN	1	38	33	30	15	15	3	1	2	51	17	34	0	0	0	0	0	0	-18
QUINCY	904	893	1054	996	522	474	58	23	35	1042	491	551	7	5	2	5	3	2	12
RANDOLPH	0	81	387	356	174	182	31	12	19	270	135	135	7	5	2	6	4	2	117
RAYNHAM	0	8	108	103	53	50	5	3	2	47	23	24	0	0	0	0	0	0	61
READING	0	38	311	299	160	139	12	7	5	168	89	79	1	0	1	1	0	1	143
REHOBOTH	1	7	91	87	48	39	4	3	1	47	27	20	1	0	1	1	0	1	44
REVERE	1	143	544	509	280	229	35	21	14	435	236	199	8	3	5	7	3	4	109
RICHMOND	0	1	14	13	10	3	1	1	0	8	2	6	0	0	0	0	0	0	6
ROCHESTER	0	2	51	48	27	21	3	1	2	21	18	3	0	0	0	0	0	0	30
ROCKLAND	0	98	257	242	125	117	15	6	9	123	63	60	2	1	1	2	1	1	134
ROCKPORT	0	27	76	74	44	30	2	1	1	83	36	47	1	0	1	1	0	1	-7
ROWE	0	1	3	3	2	1	0	0	0	3	2	1	0	0	0	0	0	0	0
ROWLEY	2	11	78	71	41	30	7	4	3	26	17	9	2	1	1	1	0	1	52
ROYALSTON	1	2	7	5	4	1	2	2	0	8	5	3	0	0	0	0	0	0	-1
RUSSELL	0	4	22	22	7	15	0	0	0	18	13	5	0	0	0	0	0	0	4
RUTLAND	0	19	77	74	31	43	3	1	2	21	11	10	0	0	0	0	0	0	56
SALEM	1333	567	496	462	239	223	34	15	19	404	194	210	7	5	2	6	4	2	92
SALISBURY	0	17	108	97	46	51	11	5	6	55	28	27	1	0	1	0	0	0	53
SANDISFIELD	0	3	9	9	6	3	0	0	0	3	2	1	0	0	0	0	0	0	6
SANDWICH	0	29	138	136	76	60	2	0	2	97	54	43	0	0	0	0	0	0	41
SAUGUS	0	85	326	305	177	128	21	14	7	236	127	109	2	1	1	1	0	1	90
SAVOY	0	0	5	4	3	1	1	0	1	4	2	2	0	0	0	0	0	0	1
SCITUATE	0	66	201	192	89	103	9	6	3	154	70	84	0	0	0	0	0	0	47

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1985

	OCCURRENCE BIRTHS DEATHS		*** RES I D E N T B I R T H S ***							***** RES I D E N T D E A T H S *****							RESIDENT NATURAL INCREASE		
			BIRTH	---M A T U R E---				I M M A T U R E			---ALL DEATHS---			---INFANT---		---NEONATAL---			
			TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEM	TOTAL	MALE	FEMALE	TOTL	MALE	FEM	TOTL		MALE	FEM
SEEKONK	0	12	131	125	59	66	6	0	6	80	40	40	0	0	0	0	0	0	51
SHAPON	3	55	228	213	115	98	15	4	11	109	53	56	1	1	0	0	0	0	119
SHEFFIELD	2	5	39	37	19	18	2	1	1	25	13	12	0	0	0	0	0	0	14
SHELBURNE	0	14	33	33	18	15	0	0	0	24	15	9	0	0	0	0	0	0	9
SHERBORN	0	1	44	44	21	23	0	0	0	16	8	8	0	0	0	0	0	0	28
SHIRLEY	0	1	74	69	34	35	5	3	2	25	12	13	1	0	1	1	0	1	49
SHREWSBURY	0	69	275	265	146	119	10	2	8	168	80	88	0	0	0	0	0	0	107
SHUTESBURY	0	2	26	25	17	8	1	0	1	5	4	1	1	1	0	1	1	0	21
SOMERSET	0	36	147	137	64	73	10	3	7	200	109	91	2	0	2	0	0	0	-53
SOMERVILLE	2	459	1040	988	518	470	52	24	28	812	386	426	7	4	3	4	3	1	228
SOUTH HADLEY	0	31	149	143	72	71	6	3	3	147	74	73	0	0	0	0	0	0	2
SOUTHAMPTON	1	2	47	44	23	21	3	0	3	21	6	15	0	0	0	0	0	0	26
SOUTHBOROUGH	0	9	99	96	54	42	3	2	1	41	19	22	1	1	0	1	1	0	58
SOUTHBURIDGE	531	264	258	248	119	129	10	3	7	191	88	103	0	0	0	0	0	0	67
SOUTHWICK	0	6	112	104	50	54	8	2	6	43	18	25	3	1	2	3	1	2	69
SPENCER	0	20	175	168	87	81	7	7	0	90	34	56	1	0	1	1	0	1	85
SPRINGFIELD	5853	2463	2636	2435	1255	1180	201	92	109	1665	818	847	32	14	18	23	11	12	971
STERLING	1	7	87	85	46	39	2	0	2	28	14	14	0	0	0	0	0	0	59
STOCKBRIDGE	1	5	27	26	12	14	1	1	0	32	12	20	0	0	0	0	0	0	-5
STONEHAM	909	282	291	274	152	122	17	8	9	173	78	95	1	0	1	0	0	0	118
STOUGHTON	2303	505	320	305	163	142	15	11	4	231	121	110	2	1	1	2	1	1	89
STOW	0	7	81	78	40	38	3	1	2	23	13	10	0	0	0	0	0	0	58
STURBRIDGE	2	9	80	78	40	38	2	2	0	47	22	25	0	0	0	0	0	0	33
SUDBURY	3	45	155	147	67	80	8	4	4	82	29	53	1	1	0	1	1	0	73

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1985

	OCCURRENCE		*** RES I D E N T B I R T H S *****							***** RES I D E N T D E A T H S *****							RESIDENT		
	BIRTHS	DEATHS	BIRTH	---M A T U R E---			I M M A T U R E			---ALL DEATHS---			---INFANT---		---NEONATAL---		NATURAL		
			TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMLE	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML	INCREASE
SUNDERLAND	1	12	32	28	12	16	4	1	3	16	10	6	0	0	0	0	0	0	16
SUTTON	0	7	72	71	33	38	1	0	1	41	19	22	1	1	0	0	0	0	31
SWAMPSCOTT	0	56	181	178	87	91	3	2	1	145	53	92	0	0	0	0	0	0	36
SWANSEA	1	46	172	163	90	73	9	5	4	133	67	66	0	0	0	0	0	0	39
TAUNTON	643	443	677	622	310	312	55	22	33	458	245	213	7	6	1	5	4	1	219
TEMPLETON	0	13	66	66	35	31	0	0	0	65	34	31	0	0	0	0	0	0	1
TEWKSBURY	0	206	312	300	147	153	12	8	4	158	84	74	2	2	0	2	2	0	154
TISBURY	0	6	45	44	20	24	1	1	0	27	10	17	0	0	0	0	0	0	18
TOLLAND	0	0	2	2	2	0	0	0	0	3	1	2	0	0	0	0	0	0	-1
TOPSFIELD	0	9	56	55	24	31	1	0	1	42	19	23	0	0	0	0	0	0	14
TOWNSEND	0	9	150	145	78	67	5	2	3	28	17	11	1	1	0	0	0	0	122
TRURO	0	1	30	30	19	11	0	0	0	16	9	7	0	0	0	0	0	0	14
TYNGSBOROUGH	0	8	153	148	69	79	5	3	2	43	26	17	1	1	0	1	1	0	110
TRYINGHAM	0	0	5	5	3	2	0	0	0	3	1	2	0	0	0	0	0	0	2
UPTON	0	9	63	59	31	28	4	4	0	38	22	16	2	2	0	2	2	0	25
UXBRIDGE	0	16	122	119	67	52	3	1	2	66	35	31	0	0	0	0	0	0	56
WAKEFIELD	1	92	347	325	170	155	22	11	11	246	119	127	3	2	1	2	1	1	101
WALES	0	1	23	21	9	12	2	1	1	7	2	5	1	0	1	1	0	1	16
WALPOLE	0	27	250	235	113	122	15	9	6	129	65	64	0	0	0	0	0	0	121
WALTHAM	808	625	654	614	322	292	40	19	21	517	244	273	5	3	2	4	2	2	137
WARE	263	132	134	125	65	60	9	3	6	90	49	41	0	0	0	0	0	0	44
WAREHAM	239	257	266	255	140	115	11	6	5	197	111	86	2	0	2	1	0	1	69
WAPREN	0	5	59	56	28	28	3	2	1	38	20	18	1	1	0	1	1	0	21
WARWICK	0	0	7	7	4	3	0	0	0	3	1	2	0	0	0	0	0	0	4

TABLE A-5A
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1985

	OCCURRENCE BIRTHS DEATHS		*** RESIDENT BIRTHS *****									***** RESIDENT DEATHS *****										RESIDENT NATURAL INCREASE
			BIRTH			---M A T U R E---			I M M A T U R E			---ALL DEATHS---			---INFANT---			---NEONATAL---				
	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML			
WASHINGTON	0	6	7	7	5	2	0	0	0	6	1	5	0	0	0	0	0	0	1			
WATERTOWN	1	102	385	359	201	158	26	17	9	345	148	197	3	2	1	3	2	1	40			
WAYLAND	0	57	134	128	65	63	6	4	2	92	37	55	1	0	1	1	0	1	42			
WEBSTER	2	198	222	206	101	105	16	8	8	167	89	78	3	3	0	2	2	0	55			
WELLESLEY	2	103	273	260	145	115	13	6	7	193	78	115	2	2	0	0	0	0	80			
WELLFLEET	2	10	35	33	21	12	2	0	2	24	16	8	0	0	0	0	0	0	11			
WENDELL	0	0	8	8	2	6	0	0	0	3	1	2	0	0	0	0	0	0	5			
WENHAM	1	6	28	27	15	12	1	0	1	35	15	20	1	0	1	1	0	1	-7			
WEST BOYLSTON	0	29	65	58	32	26	7	3	4	55	30	25	0	0	0	0	0	0	10			
WEST BRIDGEWATER	0	11	78	76	35	41	2	1	1	64	31	33	0	0	0	0	0	0	14			
WEST BROOKFIELD	0	53	40	37	15	22	3	1	2	31	12	19	0	0	0	0	0	0	9			
WEST NEWBURY	1	3	36	36	19	17	0	0	0	14	10	4	0	0	0	0	0	0	22			
WEST SPRINGFIELD	2	104	322	304	148	156	18	8	10	277	130	147	1	1	0	1	1	0	45			
WEST STOCKBRIDGE	1	2	10	9	6	3	1	0	1	8	6	2	0	0	0	0	0	0	2			
WEST TISBURY	1	2	26	26	17	9	0	0	0	6	2	4	0	0	0	0	0	0	20			
WESTBOROUGH	2	67	177	168	97	71	9	3	6	112	58	54	2	1	1	2	1	1	65			
WESTFIELD	2	408	461	433	229	204	28	11	17	325	176	149	4	3	1	3	2	1	136			
WESTFORD	0	20	232	220	123	97	12	5	7	84	44	40	3	1	2	0	0	0	148			
WESTHAMPTON	0	2	25	23	11	12	2	0	2	8	4	4	0	0	0	0	0	0	17			
WESTMINSTER	0	9	71	66	34	32	5	3	2	32	19	13	0	0	0	0	0	0	39			
WESTON	1	43	85	83	44	39	2	1	1	88	44	44	0	0	0	0	0	0	-3			
WESTPORT	2	30	157	147	70	77	10	5	5	118	72	46	2	0	2	1	0	1	39			
WESTWOOD	0	19	137	131	62	69	6	4	2	108	59	49	2	0	2	2	0	2	29			
WEYMOUTH	2050	872	677	632	308	324	45	24	21	564	256	308	4	2	2	3	1	2	113			

TABLE A-5A (CONTINUED)
BIRTHS AND DEATHS BY TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1985

	OCCURRENCE BIRTHS DEATHS		*** RESIDENT BIRTHS *****							***** RESIDENT DEATHS *****									RESIDENT NATURAL INCREASE	
			BIRTH	---M A T U R E---				I M M A T U R E			----ALL DEATHS----			----INFANT----			---NEONATAL---			
			TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMLE	TOTAL	MALE	FEMALE	TOTL	MALE	FEMLE	TOTL	MALE	FEMLE		
WHATELY	0	1	17	14	5	9	3	3	0	10	4	6	0	0	0	0	0	0	7	
WHITMAN	1	21	207	195	101	94	12	8	4	103	58	45	2	1	1	1	0	1	104	
WILBRAHAM	0	8	105	101	64	37	4	2	2	79	39	40	0	0	0	0	0	0	26	
WILLIAMSBURG	0	0	35	33	15	18	2	0	2	10	3	7	0	0	0	0	0	0	25	
WILLIAMSTOWN	0	68	65	63	31	32	2	0	2	84	39	45	0	0	0	0	0	0	-19	
WILMINGTON	0	41	254	241	116	125	13	5	8	119	67	52	1	0	1	1	0	1	135	
WINCHENDON	0	15	133	127	75	52	6	4	2	73	37	36	0	0	0	0	0	0	60	
WINCHESTER	1496	299	219	209	102	107	10	2	8	168	85	83	1	0	1	0	0	0	51	
WINDSOR	0	0	10	8	6	2	2	1	1	3	0	3	0	0	0	0	0	0	7	
WINTHROP	1	255	194	185	97	88	9	4	5	222	102	120	1	0	1	1	0	1	-28	
WOBURN	3	284	546	515	268	247	31	14	17	303	160	143	4	3	1	3	2	1	243	
WORCESTER	6032	3282	2588	2412	1212	1200	176	91	85	1948	916	1032	28	19	9	21	17	4	640	
WORTHINGTON	0	1	20	19	7	12	1	1	0	9	5	4	1	1	0	1	1	0	11	
WRENTHAM	1	48	128	119	69	50	9	4	5	68	30	38	0	0	0	0	0	0	60	
YARMOUTH	1	102	204	197	97	100	7	1	6	342	170	172	0	0	0	0	0	0	-138	
STATE TOTAL	83307	56198	81776	76954	39567	37387	4822	2322	2500	55590	27227	28363	745	415	330	538	304	234	26186	

TABLE A-5B
BIRTHS AND DEATHS BY COUNTY OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1985

C O U N T Y	OCCURRENCE BIRTHS DEATHS		*** R E S I D E N T B I R T H S *****						***** R E S I D E N T D E A T H S *****									RESIDENT NATURAL INCREASE	
			BIRTH ---M A T U R E----		I M M A T U R E*		----ALL DEATHS----			----INFANT----			----NEONATAL--						
	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML			
BARNSTABLE	1707	1971	2048	1947	998	949	101	47	54	2115	1046	1069	12	8	4	8	6	2	-67
BERKSHIRE	1982	1527	1758	1646	858	788	112	50	62	1469	721	748	10	6	4	8	6	2	289
BRISTOL	5689	4283	6653	6216	3173	3043	437	202	235	4740	2412	2328	60	34	26	44	25	19	1913
CHESHIRE	159	80	164	159	82	77	5	2	3	96	41	55	0	0	0	0	0	0	68
ESSEX	9024	5938	9735	9208	4780	4428	527	255	272	6369	3093	3276	85	49	36	61	33	28	3366
FRANKLIN	889	519	910	856	452	404	54	26	28	609	327	282	12	7	5	8	4	4	301
HAMPDEN	6927	4758	6438	6011	3086	2925	427	200	227	4561	2279	2282	61	31	30	42	21	21	1877
HAMPSHIRE	1434	864	1471	1410	696	714	61	24	37	1015	503	512	9	6	3	8	6	2	456
MIDDLESEX	17684	11550	18586	17612	9168	8444	974	469	505	12255	5824	6431	155	88	67	108	62	46	6331
NANTUCKET	89	67	94	89	48	41	5	2	3	69	34	35	1	1	0	1	1	0	25
NORFOLK	6195	4854	7646	7236	3729	3507	410	185	225	5778	2702	3076	61	37	24	46	27	19	1868
PLYMOUTH	2296	3129	6449	6136	3132	3004	313	158	155	3477	1730	1747	51	32	19	36	24	12	2972
SUFFOLK	19833	10188	10171	9322	4727	4595	849	427	422	6758	3424	3334	148	68	80	110	51	59	3413
WORCESTER	9399	6410	9653	9106	4638	4468	547	275	272	6279	3091	3188	80	48	32	58	38	20	3374
STATE TOTAL	83307	56198	81776	76954	39567	37387	4822	2322	2500	55590	27227	28363	745	415	330	538	304	234	26186

*Immature births are births of 2,500 grams or less in weight.

TABLE A-5C
BIRTHS AND DEATHS BY HSA OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1985

	OCCURRENCE BIRTHS DEATHS		*** RESIDENT BIRTHS *****							***** RESIDENT DEATHS *****									RESIDENT NATURAL INCREASE
			BIRTH	---M A T U R E---				I M M A T U R E			----ALL DEATHS----			----INFANT----			---NEONATAL---		
	TOTAL	TOTAL	MALE	FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML			
HSA AND SUBAREA																			
BERKSHIRE	1982	1528	1770	1658	866	792	112	50	62	1470	721	749	10	6	4	8	6	2	300
NORTHERN VALLEY	2063	1365	2051	1951	983	968	100	46	54	1431	723	708	22	14	8	17	11	6	620
SOUTHERN VALLEY	7192	4943	6912	6465	3317	3148	447	208	239	4906	2469	2437	60	31	29	41	21	20	2006
I WESTERN MASS	11237	7836	10733	10074	5166	4908	659	304	355	7807	3913	3894	92	51	41	66	38	28	2926
NORTH	2301	1552	3586	3371	1710	1661	215	108	107	1851	932	919	31	12	19	20	7	13	1735
CENTRAL	6038	3604	3520	3291	1697	1594	229	115	114	2573	1252	1321	34	23	11	26	21	5	947
SOUTH	1056	1249	3548	3363	1715	1648	185	86	99	2009	995	1014	27	16	11	19	11	8	1539
II CENTRAL MASS	9395	6405	10654	10025	5122	4903	629	309	320	6433	3179	3254	92	51	41	65	39	26	4221
GREATER LOWELL	2603	1903	3821	3616	1930	1686	205	99	106	2007	981	1026	45	25	20	30	16	14	1814
GREATER LAWRENCE	2867	1518	2625	2488	1253	1235	137	74	63	1541	759	782	24	13	11	20	10	10	1084
GTR HAVER-NEWBRT	1403	1163	1890	1785	931	854	105	49	56	1149	555	594	12	7	5	8	5	3	741
III MERRIMACK	6873	4584	8336	7889	4114	3775	447	222	225	4697	2295	2402	81	45	36	58	31	27	3639
METRO CENTRAL	19838	10397	10724	9843	4985	4858	881	442	439	7311	3660	3651	150	69	81	112	52	60	3413
METRO NORTHWEST	5054	4149	5614	5324	2766	2558	290	125	165	4051	1913	2138	52	28	24	32	18	14	1563
METRO WEST	5900	3547	5922	5622	2931	2691	300	158	142	4019	1845	2174	37	24	13	30	19	11	1903
METRO SOUTHWEST	927	1074	2186	2080	1066	1014	106	51	55	1375	673	702	13	8	5	10	7	3	811
METRO SOUTH	2960	2767	3751	3545	1792	1753	206	95	111	3188	1463	1725	34	23	11	27	17	10	563
IV METRO	34679	21934	28197	26414	13540	12874	1783	871	912	19944	9554	10390	286	152	134	211	113	98	8253

*Immature births are births of 2,500 grams or less in weight.

TABLE A-5C
BIRTHS AND DEATHS BY HSA OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE
1985

HSA AND SUBAREA	OCCURRENCE BIRTHS DEATHS		*** R E S I D E N T B I R T H S *****									***** R E S I D E N T D E A T H S *****									RESIDENT NATURAL INCREASE
			BIRTH ---M A T U R E---			I M M A T U R E			----ALL DEATHS----			----INFANT----			---NEONATAL---						
	TOTAL	TOTAL	MALE FEMALE	TOTAL	MALE	FEML	TOTAL	MALE	FEMALE	TOTL	MALE	FEML	TOTL	MALE	FEML						
ATTLEBORO	1024	590	1436	1380	713	667	56	35	21	682	345	337	16	11	5	12	9	3	754		
BROCKTON	3554	2207	3300	3111	1597	1514	189	93	96	1790	889	901	30	18	12	22	13	9	1510		
PLYMOUTH	802	808	2377	2263	1179	1084	114	63	51	1145	589	556	17	12	5	12	9	3	1232		
TAUNTON-MIDDLEBORO	644	713	1451	1365	662	703	86	33	53	882	461	421	9	7	2	7	5	2	569		
FALL RIVER	1986	1622	1921	1781	902	879	140	65	75	1623	842	781	15	6	9	10	4	6	298		
NEW BEDFORD	2034	1578	2158	2008	1041	967	150	61	89	1776	882	894	22	11	11	16	8	8	382		
CAPE COD	2194	2375	2572	2450	1268	1182	122	57	65	2477	1232	1245	15	9	6	10	7	3	95		
V SOUTH SHORE	12238	9893	15215	14358	7362	6996	857	407	450	10375	5240	5135	124	74	50	89	55	34	4840		
CAPE ANN	1672	875	1496	1437	774	663	59	25	34	1007	479	528	10	4	6	7	2	5	489		
DANVERS-SALEM	2001	1263	1683	1585	807	778	98	46	52	1224	587	637	17	12	5	13	8	5	459		
GREATER LYNN	1081	1179	2041	1913	1015	898	128	61	67	1448	713	735	22	13	9	13	8	5	593		
EASTERN MIDDLESEX	2170	893	1395	1333	712	621	62	30	32	936	429	507	7	3	4	5	2	3	459		
TRI-CITIES	1961	1336	2026	1926	955	971	100	47	53	1719	838	881	14	10	4	11	8	3	307		
VI NORTH SHORE	8085	5546	8641	8194	4263	3931	447	209	238	6334	3046	3288	70	42	28	49	28	21	2307		
STATE TOTAL	83307	56198	81776	76954	39567	37387	4822	2322	2500	55590	27227	28363	745	415	330	538	304	234	26186		

NATALITY

SECTION B

NATALITY

An eight year trend of increasing births in Massachusetts continued in 1985. There were 81,776 live births to Massachusetts residents in 1985, which represented a 4.6% increase over the 78,198 resident live births in 1984. Live births to Massachusetts residents include all births to Massachusetts residents, regardless of the state in which they occurred. Most data presented in this section include resident data. Birth occurrence data are given only by hospital.

OCCURRENCE BIRTHS

In 1985, 83,307 births occurred in Massachusetts. All but 755 births occurred at the 58 hospitals with maternity units. The number of births performed at these hospitals ranged from 89 at Nantucket Cottage Hospital to 9,461 at Brigham and Women's Hospital. The median number of births per hospital was 1,082, a slight increase from the median number in 1984 of 1,066. The four hospitals with the largest number of births -- Brigham and Women's (9,461), Bay State Medical Center (5,778), Beth Israel (4,306) and St. Margaret's (3,236) -- represent almost 28% of all births occurring in Massachusetts. The distribution of births among Massachusetts hospitals, however, is more diverse than in many states. In Rhode Island, for example, more than 1/2 of the births in the state are delivered in one hospital. The range of births in Massachusetts hospitals did not vary much from 1984:

1985 DISTRIBUTION OF MASSACHUSETTS OCCURRENCE BIRTHS

NUMBER OF BIRTHS AT HOSPITAL	NO. OF HOSPITALS IN CATEGORY	TOTAL NO. OF BIRTHS IN CATEGORY	% of TOTAL BIRTHS
<500	9	2,428	2.9%
500-999	16	11,531	13.8%
1000-1499	16	19,177	23.0%
1500-1999	6	10,915	13.1%
>2000	11	38,501	46.2%
ALL OTHER		755	1.0%
TOTAL	58	83,307	100.0%

HOME BIRTHS

What appears to be a growing public interest in home births is not reflected in the reported numbers: less than 1% of births occur at home. Home births may be undercounted in the data presented. Home births, much more than hospital births, may be recorded as delayed records rather than reported at the time of birth. Delayed records are not included in these numbers.

BIRTHS BY RACE

The number of births by race remained relatively constant, with almost 87% of the births to Massachusetts residents being white. There are a number of points to keep in mind when analyzing data by race. First, there is a growing problem

with nonresponse to this item. More than 3.5% of the certificates received had no information on race. Another major problem occurs with the lack of reasonable data on Massachusetts' Hispanic population. The question as asked on the 1985 birth certificate was limited to a race question, and in many cases individuals with an Hispanic ancestry selected a race code rather than provide a response of Hispanic. If the response was Hispanic, however, these births are included in the category of "white." A new birth certificate was introduced in June, 1986, which collects information on both race and ancestry and should provide improved data on Hispanics in the future.

The final point which must be considered is the method used to present data by race. On the birth certificate, information is collected on mother's race and father's race. From these two items, a race for baby is generated using standards set by the National Center for Health Statistics. Depending on the use of the data, race data may be presented by race of baby or race of mother. If, for example, access to prenatal care is being analyzed, the information may be better presented by race of mother rather than race of baby. There are substantial differences in the numbers when comparing race of mother to race of baby. In 1985, the differences were as follows:

RACE OF:	WHITE	NONWHITE	UNKNOWN	TOTAL
BABY	71,103	7,694	2,979	81,776
MOTHER	71,851	6,840	3,085	81,776

In most cases, the method employed to display race data depends on the use of the data. In preparing infant mortality rates by race, for example, the race of baby must be used. On the death certificates, only the race of the baby is provided; therefore using the race of mother for the denominator would provide skewed data. The number of unknowns is greater when using race of mother, because in determining race of baby in instances where the race of one parent is unknown, the child is automatically assigned to the race of the parent whose race is given.

TEEN BIRTHS

The actual number and percentage of births to mothers under the age of 20 continued to decline, accounting for 8.5% of total births or 6,970 total births. The age specific fertility rate for teenagers, however, increased slightly from 29.3 to 29.7 due to the decreasing teenage population.

BIRTHS BY MARITAL STATUS

The proportion of unmarried mothers continued to increase to 18.4% of total births. Over 70% of the births to women under the age of 20 were out of wedlock. Births to women under the age of 20 represent only 8.5% of total births but more than 32% of the births to unmarried mothers.

BIRTHS BY AGE OF MOTHER

Although the rate of births to teenagers increased, the actual numeric increases in births over the past several years has been to older mothers as demonstrated below:

AGE OF MOTHER	DIFFERENCE IN BIRTHS 1984-1985	% CHANGE
<20	-46	-0.7%
20-24	+90	+0.5%
25-29	+1,291	+4.6%
30-34	+1,508	+7.6%
35-39	+691	+10.7%
40-44	+51	+6.6%
44	-6	-37.5%
<u>TOTAL</u>	<u>+3,579</u>	<u>+4.6%</u>

BIRTHS BY C-SECTION

The number of Cesarean sections continued to rise from 16,443 in 1984 to 18,000 in 1985. The rate per 1,000 live births also increased from 210.3 to 220.1. The lowest rate per 1,000 live births of C-Sections was for mothers aged 15-19 (154.1), with the highest being for women over the age of 44 (375.0).

LOW BIRTHWEIGHT BABIES

The percentage of low birthweight babies (less than 2500 grams or five pounds eight ounces) declined slightly from 5.9% of total births in 1984 to 5.8% in 1985 (4,750 births). The percentage of low weight babies born to mothers under the age of 20 declined slightly from 8.9% to 8.5% of births. Young mothers, however, continue to have a disproportionate number of low weight babies.

HEALTH OBJECTIVES FOR 1990

The U.S. Department of Health and Human Services has developed health objectives for 1990 in numerous areas (HEALTHY PEOPLE: Surgeon General's Report on Health Promotion and Disease Prevention; 1979). The midpoint of the decade is a good place to assess where Massachusetts stands on the objectives that may be measured with data obtained from birth certificates. There are two objectives regarding low birth weight babies which may be considered.

1990 OBJECTIVE

Low birth weight babies (2,500 grams and under) should constitute not more than 5% of all live births.

MASSACHUSETTS-1985

4,750 births or 5.8% of 2,500 grams or less. This percentage has continued to decline each year and could be achievable by 1990.

1990 OBJECTIVE

No county or racial or ethnic group of the population should have a rate of low birth weight babies that exceeds 9% of all live births for that population.

MASSACHUSETTS-1985

In 1985, all Massachusetts counties met the objective for 1990:

COUNTY	PERCENTAGE OF LOW BIRTHWEIGHT BABIES
BARNSTABLE	4.74%
BERKSHIRE	6.31%
BRISTOL	6.51%
DUKES	3.05%
ESSEX	5.37%
FRANKLIN	5.71%
HAMPDEN	6.60%
HAMPSHIRE	4.01%
MIDDLESEX	5.11%
NANTUCKET	5.32%
NORFOLK	5.28%
PLYMOUTH	4.82%
SUFFOLK	8.20%
WORCESTER	5.58%

The objective by race, however, is not yet met in Massachusetts:

RACE	PERCENTAGE OF LOW BIRTHWEIGHT BABIES
WHITE	5.2%
BLACK	10.9%
HISPANIC	8.3%
OTHER	4.9%
UNKNOWN	9.3%

DEFINITIONS AND RATES IMPORTANT FOR THIS SECTION INCLUDE:

LIVE BIRTH	A live birth is the complete expulsion or extraction from its mother of a product of conception, regardless of the duration of pregnancy, which, after separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of the voluntary muscles.
BIRTHWEIGHT	Weight of an infant or fetus at the time of delivery. It may be recorded in either pounds/ounces or grams; if it is the former, it is converted to grams for use in this report.
MATURE BIRTHWEIGHT	Weight at delivery which equals or exceeds 2500 grams.
IMMATURE BIRTHWEIGHT	Weight at delivery of less than 2500 grams. Immaturity rather than prematurity is used. Prematurity refers to gestational age and is difficult to ascertain reliably.

GENERAL FERTILITY RATE $\frac{\text{No. of Resident Live Births}}{\text{Total Female Population of Childbearing Age (15-44)}} \times 1,000$

AGE SPECIFIC FERTILITY RATE $\frac{\text{No. of Resident Live Births for a Specific Age of Mother}}{\text{Total Female Population of That Specific Age}} \times 1,000$

TABLE B-1
RESIDENT BIRTHS BY SEX AND RACE OF INFANT
1985

RACE	TOTAL	MALE	FEMALE
	n %	n %	n %
TOTAL	81,776 100.00	41,889 51.22	39,887 48.78
WHITE	71,103 86.95	36,418 44.53	34,685 42.42
BLACK	5,702 6.97	2,936 3.59	2,766 3.38
OTHER	1,992 2.44	1,014 1.24	978 1.20
UNKNOWN	2,979 3.64	1,521 1.86	1,458 1.78

FIGURE B - 1
RESIDENT BIRTHS BY RACE OF INFANT
1970 - 1985

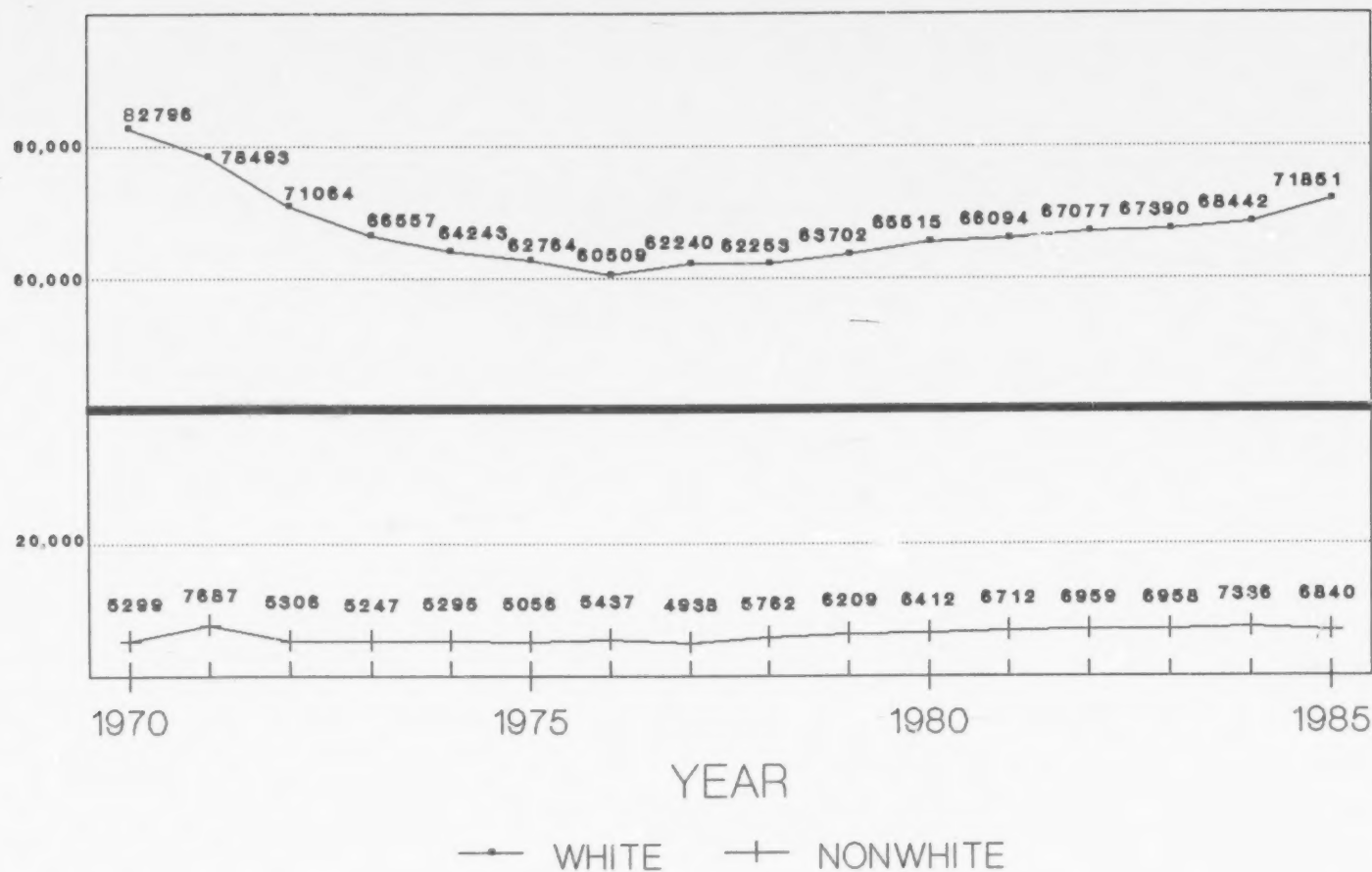


FIGURE B - 2
RESIDENT LIVE BIRTHS BY RACE OF INFANT
1985

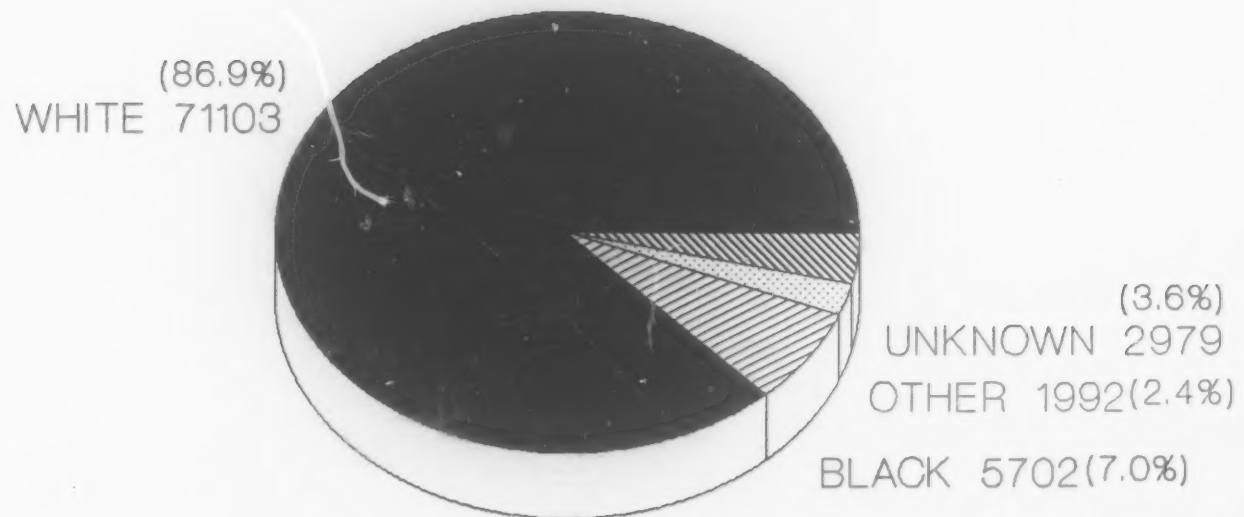


FIGURE B - 3
RESIDENT LIVE BIRTHS BY MOTHER'S AGE
1985

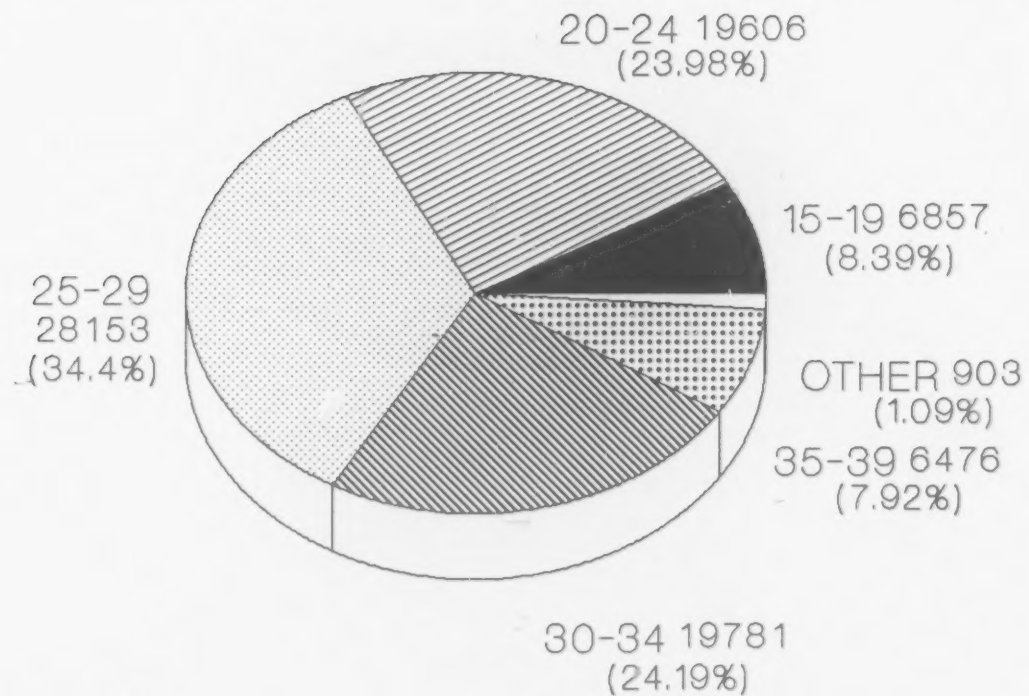


TABLE B-2
AGE-SPECIFIC BIRTH RATES AMONG MASSACHUSETTS WOMEN
1970-1985

AGE OF MOTHER	- 1985 -		- 1984 -		- 1980 -		- 1970 -	
	<u>Births</u> 1000	Rate	<u>Births</u> 1000	Rate	<u>Births</u> 1000	Rate	<u>Births</u> 1000	Rate
15-19	<u>6,857</u> 230.3	29.8	<u>6,932</u> 236.6	29.3	<u>7,694</u> 273.4	28.1	<u>10,177</u> 259.6	39.1
20-24	<u>19,606</u> 280.4	69.9	<u>19,516</u> 288.1	67.7	<u>21,514</u> 282.2	76.2	<u>33,808</u> 246.9	136.9
25-29	<u>28,153</u> 284.1	99.1	<u>26,862</u> 272.8	98.5	<u>24,959</u> 249.8	99.9	<u>29,184</u> 188.5	154.8
30-34	<u>19,781</u> 245.5	80.6	<u>18,273</u> 239.9	76.2	<u>14,389</u> 228.7	62.9	<u>12,887</u> 150.3	85.7
35-39	<u>6,476</u> 225.1	28.8	<u>5,785</u> 215.6	26.8	<u>3,464</u> 179.0	19.4	<u>5,771</u> 151.2	38.2
40-44	<u>773</u> 177.7	4.4	<u>722</u> 170.0	4.2	<u>478</u> 143.9	3.3	<u>1,591</u> 170.4	9.3
MASSACHUSETTS GENERAL FERTILITY RATE		56.7		54.9		53.5		80.2
UNITED STATES GENERAL FERTILITY RATE		66.2		66.0		67.7		87.9

NOTE: THE NUMERATOR OF THE BIRTHS PER THOUSAND WOMEN REPRESENTS THE NUMBER OF BIRTHS TO WOMEN IN THAT AGE GROUP. THE DENOMINATOR REPRESENTS THE NUMBER (IN THOUSANDS) OF WOMEN IN THAT AGE GROUP. THE 1984 AND 1985 DENOMINATORS ARE ESTIMATED. UNITED STATES FIGURES ARE DATA FROM THE NATIONAL CENTER FOR HEALTH STATISTICS.

FIGURE B - 4
GENERAL FERTILITY AND CRUDE BIRTH RATES
1930 - 1985

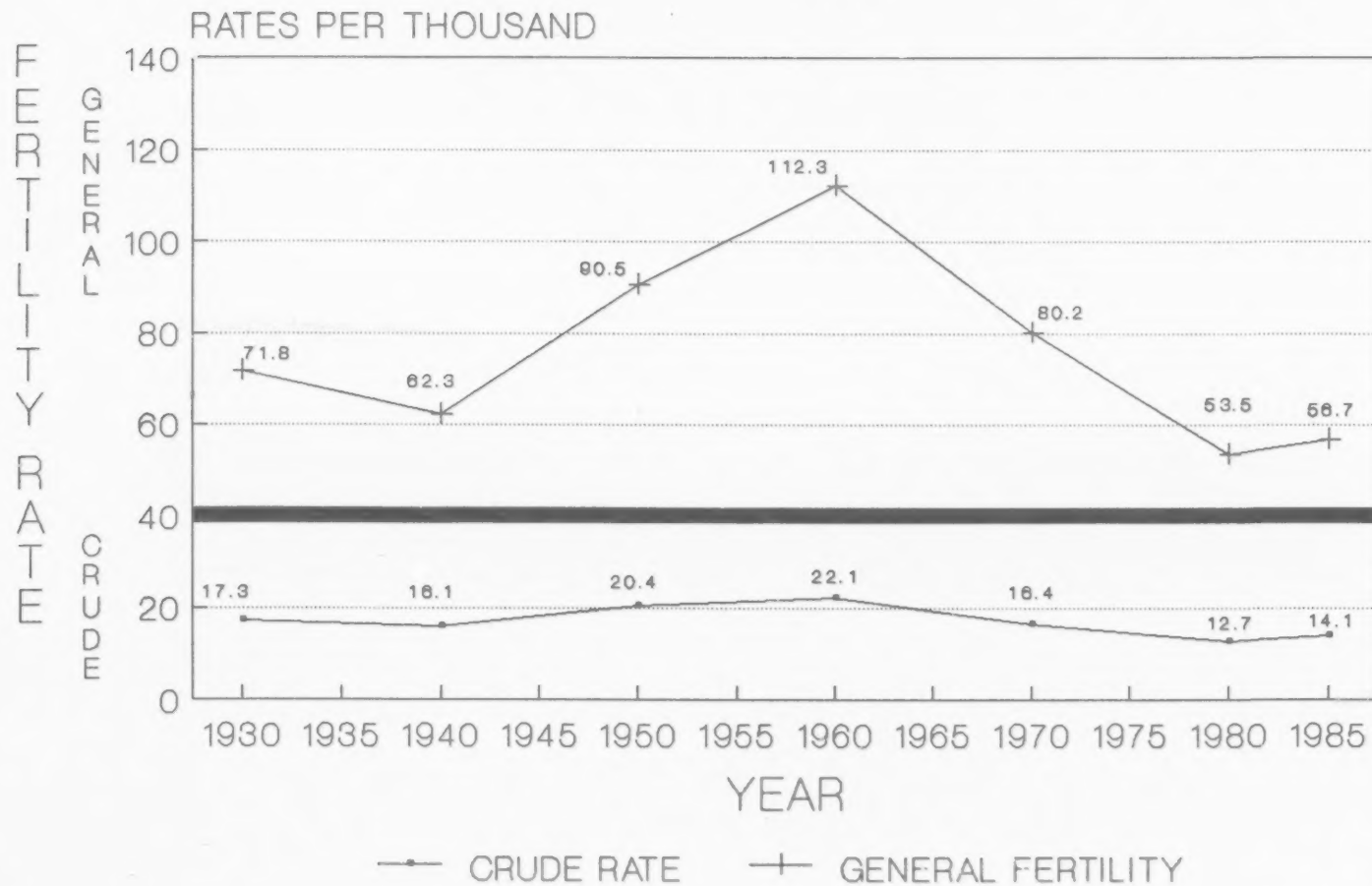


TABLE B-3
RESIDENT BIRTHS BY MOTHER'S AGE, RACE AND MARITAL STATUS
1985

AGE OF MOTHER	- TOTAL -			- WHITE -			- NON-WHITE -			- UNKNOWN -		
	TOTAL	WED	UNWED	TOTAL	WED	UNWED	TOTAL	WED	UNWED	TOTAL	WED	UNWED
TOTAL*	81,776	66,720	15,056	71,851	60,799	11,052	6,840	3,591	3,249	3,085	2,330	755
UNDER 15	113	5	108	68	5	63	36	0	36	9	0	9
15	295	22	273	208	21	187	65	1	64	22	0	22
16	698	93	605	548	84	464	121	6	115	29	3	26
17	1,283	257	1,026	1,007	232	775	230	14	216	46	11	35
18	1,986	574	1,412	1,615	542	1,073	301	16	285	70	16	54
19	2,595	1,101	1,494	2,189	1,026	1,163	329	54	275	77	21	56
20-24	19,606	14,097	5,509	17,095	12,970	4,125	1,875	740	1,135	636	387	249
25-29	28,153	25,267	2,886	25,138	23,099	2,039	2,028	1,343	685	987	825	162
30-34	19,781	18,553	1,228	17,643	16,826	817	1,286	975	311	852	752	100
35-39	6,476	6,047	429	5,669	5,375	294	493	393	100	314	279	35
40-44	773	690	83	659	609	50	73	17	26	41	34	7
OVER 44	16	14	2	11	10	1	3	2	1	2	2	0
UNKNOWN	1	0	1	1	0	1	0	0	0	0	0	0

*UNWED FIGURES INCLUDE 12 RECORDS WITH UNKNOWN MARITAL STATUS.

TABLE B-4
PARITY BY AGE OF MOTHER, RESIDENT BIRTHS
1985

AGE OF MOTHER	TOTAL	1st	2nd	3rd	4th	5th	6th	7th	8th+	9th+ MORE	UN- KNOWN
	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %	N %
TOTAL	81,776 100.0	34,192 41.81	25,884 31.65	11,141 13.63	3,619 4.43	1,107 1.35	403 .49	145 .18	59 .07	47 .05	5,179 6.34
10-14	113 .14	97 .12	1	0	0	0	0	0	0	0	15 .02
15-19	6,857 8.39	5,249 6.42	969 1.18	161 .20	15 .02	5 .01	0	0	0	0	458 .56
20-24	19,606 23.98	10,178 12.45	5,957 7.28	1,795 2.20	394 .48	89 .11	24 .03	2	1	1	1,165 1.43
25-29	28,153 34.43	11,345 13.87	9,604 11.74	3,987 4.88	1,133 1.39	319 .39	78 .10	31 .04	5	2	1,649 2.02
30-34	19,781 24.19	5,804 7.10	7,086 8.67	3,674 4.49	1,284 1.57	382 .47	129 .15	39 .05	15 .02	8 .01	1,360 1.66
35-39	6,476 7.92	1,382 1.69	2,092 2.56	1,387 1.70	677 .82	256 .31	124 .15	52 .07	25 .03	18 .02	463 .57
40-44	773 .94	135 .16	169 .21	135 .16	115 .15	54 .06	48 .06	19 .02	13 .02	18 .02	67 .08
45+ MORE	16 .01	1	6 .01	2	1	2	0	2	0	0	2
UNKNOWN AGE	1	1	0	0	0	0	0	0	0	0	0

TABLE B-5
RESIDENT BIRTHS TO TEENAGE MOTHERS
1970-1985

YEAR	TOTAL BIRTHS	- AGE OF MOTHER -								TOTAL 12-19	PERCENT OF TOTAL BIRTHS
		12	13	14	15	16	17	18	19		
1970	93,582	3	8	70	320	802	1,726	3,043	4,285	10,257	11.0
1971	86,755	3	23	84	313	875	1,738	2,981	4,000	10,017	11.5
1972	76,835	1	20	103	348	955	1,841	2,834	3,690	9,792	12.7
1973	72,237	0	12	93	393	959	1,759	2,584	3,282	9,082	12.6
1974	70,071	2	16	79	333	895	1,762	2,524	3,181	8,792	12.5
1975	68,070	2	18	84	325	915	1,678	2,560	3,085	8,667	12.7
1976	65,947	7	12	96	336	807	1,478	2,332	2,923	7,991	12.1
1977	67,838	1	18	68	270	792	1,477	2,293	2,913	7,832	11.5
1978	68,526	3	15	67	303	737	1,445	2,252	2,979	7,801	11.4
1979	70,568	2	9	70	283	773	1,413	2,306	2,916	7,772	11.0
1980	72,591	1	14	56	300	740	1,360	2,202	3,092	7,765	10.7
1981	73,931	1	12	82	275	722	1,357	2,164	2,816	7,429	10.0
1982	75,749	1	14	83	299	753	1,328	2,161	2,722	7,361	9.7
1983	76,031	0	8	78	255	726	1,278	2,053	2,521	6,919	9.1
1984	78,198	1	8	75	265	714	1,307	2,061	2,585	7,016	9.0
1985	81,776	4	12	97	295	698	1,283	1,986	2,595	6,970	8.5

TABLE B-6
NUMBER OF PRIMARY AND REPEAT CESAREAN SECTIONS BY AGE
1985

AGE OF MOTHER	TOTAL CESAREAN DELIVERIES	TOTAL BIRTHS	RATE PER 1000 BIRTHS	PRIMARY CESAREAN DELIVERIES	% OF TOTAL	REPEAT CESAREAN DELIVERIES	% OF TOTAL
TOTALS	18,000	81,776	220.1	11,356	63.1	6,644	36.9
<15	20	113	177.0	20	100.0	0	--
15-19	1,057	6,857	154.1	920	87.0	137	13.0
20-24	3,861	19,606	196.9	2,795	72.4	1,066	27.6
25-29	6,129	28,153	217.7	3,795	61.9	2,334	38.1
30-34	4,911	19,781	248.3	2,718	55.3	2,193	44.6
35-39	1,785	6,476	275.6	962	53.9	823	46.1
40-44	230	773	297.5	141	61.3	89	38.7
>44	6	16	375.0	4	66.7	2	33.3
UNKNOWN AGE	1	1	1000.0	1	100.0	0	--

FIGURE B-5
BIRTHWEIGHT DISTRIBUTION BY SEX

MASSACHUSETTS 1985

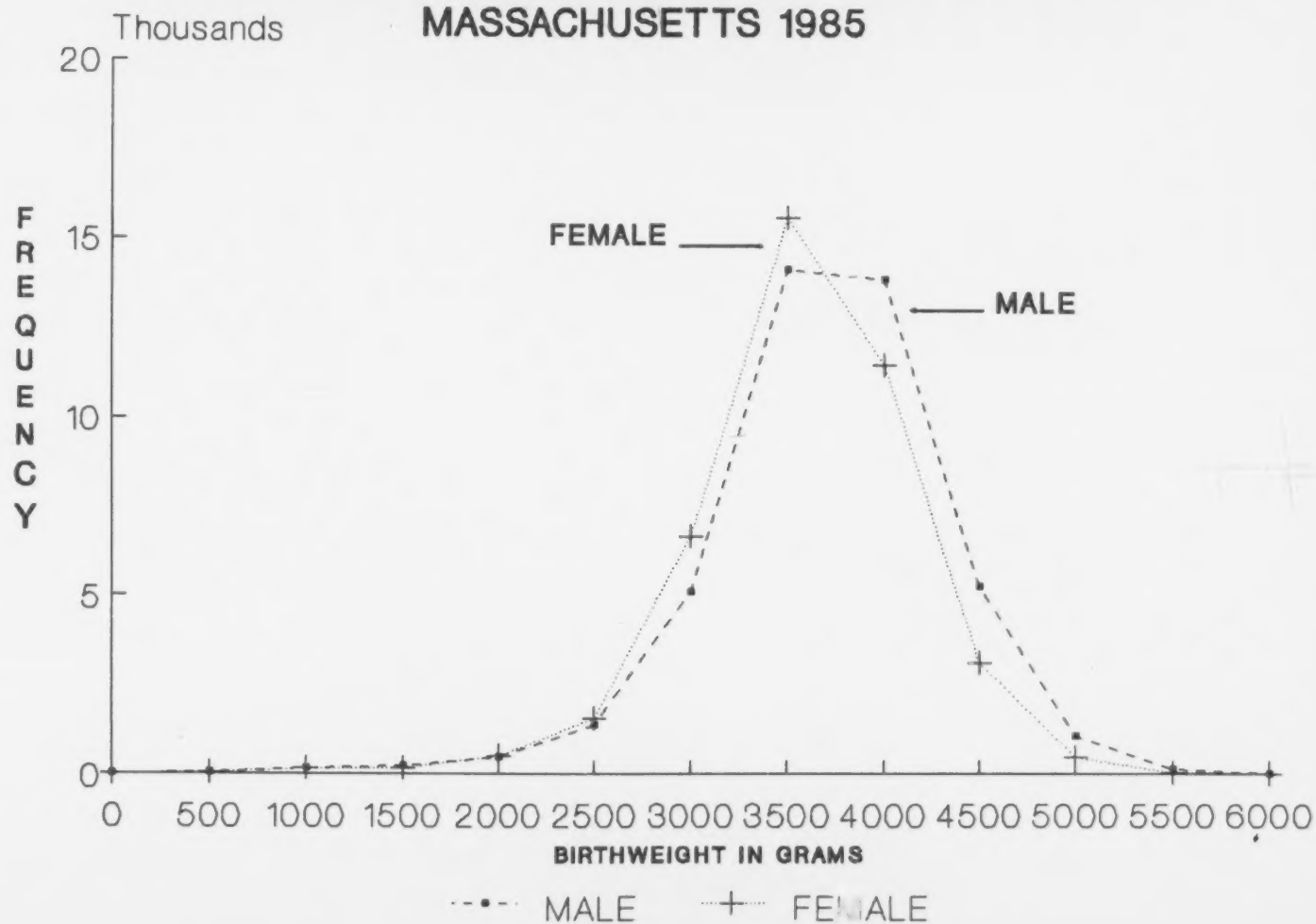


TABLE B-7
RESIDENT BIRTHS BY AGE AND MARITAL STATUS OF MOTHER AND BIRTHWEIGHT OF INFANT IN GRAMS
1985

BIRTH- WEIGHT gms	MARITAL STATUS	-TOTAL- n %	<15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-44	>45	UN- KWN
TOTAL	MARRIED	62,720	5	22	93	257	574	1,101	14,097	25,267	18,553	6,047	690	14	0
	UNMARR.	15,044	108	273	605	1,026	1,412	1,494	5,505	2,881	1,226	428	83	2	1
	UNKNOWN	12	0	0	0	0	0	0	4	5	2	1	0	0	0
	GR. TOTAL	81,776	113	295	698	1,283	1,986	2,595	19,606	28,153	19,781	6,476	773	16	1
<500	MARRIED	65	0	0	0	0	0	8	17	19	15	6	0	0	0
	UNMARR.	48	1	1	2	1	4	1	16	14	8	0	0	0	0
	TOTAL	113	1	1	2	1	4	9	33	33	23	6	0	0	0
500-999	MARRIED	213	0	0	0	0	7	6	46	73	48	31	2	0	0
	UNMARR.	114	1	3	5	3	13	10	33	27	15	2	2	0	0
	TOTAL	327	1	3	5	3	20	16	79	100	63	33	4	0	0
1000-1499	MARRIED	270	0	0	1	2	2	2	75	82	82	22	1	1	0
	UNMARR.	134	2	2	5	7	10	14	49	30	11	2	2	0	0
	TOTAL	404	2	2	6	9	12	16	124	112	93	24	3	1	0
1500-1999	MARRIED	673	0	1	2	9	7	17	154	207	193	76	7	0	0
	UNMARR.	301	0	12	11	10	29	32	87	67	39	8	5	1	0
	TOTAL	974	0	13	13	19	36	49	241	274	232	84	12	1	0
2000-2499	MARRIED	2,056	0	2	8	13	21	42	468	737	558	182	24	1	0
	UNMARR.	876	6	16	56	58	61	67	316	169	90	30	7	0	0
	TOTAL	2,932	6	18	64	71	82	109	784	906	648	212	31	1	0
2500-2999	MARRIED	8,709	2	5	18	43	80	159	1,954	3,235	2,363	749	100	1	0
	UNMARR.	3,071	33	56	113	225	298	281	1,126	597	251	76	15	0	0
	UNKNOWN	2	0	0	0	0	0	0	1	1	0	0	0	0	0
	TOTAL	11,782	35	61	131	268	378	440	3,081	3,833	2,614	825	115	1	0
3000-3499	MARRIED	24,016	2	13	32	103	219	433	5,255	9,212	6,479	2,028	236	4	0
	UNMARR.	5,704	42	104	227	383	549	586	2,171	1,059	405	153	24	1	0
	UNKNOWN	5	0	0	0	0	0	0	2	2	1	0	0	0	0
	TOTAL	29,725	44	117	259	486	768	1,019	7,428	10,273	6,885	2,181	260	5	0
3500-3999	MARRIED	21,697	1	1	22	67	188	332	4,474	8,287	6,105	1,993	222	5	0
	UNMARR.	3,639	18	61	150	257	332	382	1,324	680	292	123	20	0	0
	UNKNOWN	3	0	0	0	0	0	0	1	1	0	1	0	0	0
	TOTAL	25,339	19	62	172	324	520	714	5,799	8,968	6,397	2,117	242	5	0
4000-4499	MARRIED	7,401	0	0	9	20	42	87	1,371	2,850	2,159	788	73	2	0
	UNMARR.	961	4	17	32	68	104	97	310	195	98	29	6	0	1
	UNKNOWN	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	TOTAL	8,363	4	17	41	88	146	184	1,681	3,046	2,257	817	79	2	1
4500-4999	MARRIED	1,384	0	0	1	0	7	12	231	494	472	145	22	0	0
	UNMARR.	162	0	0	4	10	11	18	62	37	14	4	2	0	0
	TOTAL	1,546	0	0	5	10	18	30	293	531	486	149	24	0	0
5000-8164	MARRIED	183	0	0	0	0	1	3	40	59	57	20	3	0	0
	UNMARR.	16	0	0	0	2	1	3	4	3	2	1	0	0	0
	TOTAL	199	0	0	0	2	2	6	44	62	59	21	3	0	0
UNKNOWN	MARRIED	53	0	0	0	0	0	0	12	12	22	7	0	0	0
	UNMARR.	18	1	1	0	2	0	3	7	3	1	0	0	0	0
	UNKNOWN	1	0	0	0	0	0	0	0	0	1	0	0	0	0
	TOTAL	72	1	1	0	2	0	3	19	15	24	7	0	0	0

BIRTHWEIGHTS GREATER THAN 8165 GRAMS ARE DEFINED AS UNKNOWN BIRTHWEIGHT. 1000 GRAMS = 2.2 POUNDS.

TABLE B-8
BIRTHS BY HOSPITAL OF OCCURRENCE
1980-1985

HOSPITAL	CITY/TOWN	HSA SUB-AREA	1980	1981	1982	1983	1984	1985	%
ADDISON GILBERT	GLOUCESTER	61	372	333	331	346	348	336	.40
ANNA JAQUES	NEWBURYPORT	33	771	666	737	723	753	830	1.00
BAY STATE MEDICAL CTR.	SPRINGFIELD	13	5,254	5,450	5,452	5,372	5,614	5,778	6.94
BERKSHIRE MEDICAL CTR.	PITTSFIELD	11	1,395	1,222	1,344	1,387	1,301	1,344	1.61
BETH ISRAEL	BOSTON	41	3,284	3,376	3,579	3,800	3,870	4,306	5.17
BEVERLY	BEVERLY	61	702	921	1,079	1,132	1,173	1,188	1.42
BON SECOURS	METHUEN	32	1,192	1,315	1,378	1,274	1,238	1,284	1.54
BOSTON CITY	BOSTON	41	1,473	1,477	1,522	1,521	1,653	1,732	2.08
BRIGHAM & WOMEN'S	BOSTON	41	6,416	7,099	7,517	8,197	8,772	9,461	11.36
BROCKTON	BROCKTON	52	1,212	1,184	1,243	1,196	1,218	1,232	1.48
BURBANK*	FITCHBURG	21	886	849	321	754	769	847	1.02
CAMBRIDGE CITY	CAMBRIDGE	42	627	570	511	497	466	554	.67
CAPE COD	BARNSTABLE	57	973	961	1,067	1,079	1,138	1,195	1.43
CHARLTON MEMORIAL	FALL RIVER	55	1,979	2,064	1,964	1,930	2,004	1,979	2.38
COOLEY DICKENSON	NORTHAMPTON	12	1,075	1,080	1,142	1,185	1,203	1,152	1.38
EMERSON	CONCORD	42	1,436	1,457	1,481	1,645	1,693	1,880	2.26
FAIRVIEW	GREAT BARRINGTON	11	127	160	100	117	98	140	.17
FALMOUTH	FALMOUTH	57	504	567	498	441	548	491	.59
FRAMINGHAM UNION	FRAMINGHAM	43	1,982	2,078	1,978	1,900	1,995	2,093	2.51
FRANKLIN COUNTY PUBLIC	GREENFIELD	12	836	871	868	875	835	869	1.04
GODDARD MEMORIAL	STOUGHTON	52	2,100	2,202	2,164	2,295	2,235	2,301	2.76
HARRINGTON MEMORIAL	SOUTHBRIDGE	23	511	528	516	511	496	530	.64
HAVERHILL MUNICIPAL	HAVERHILL	33	634	624	587	516	550	563	.68
HENRY HEYWOOD MEMORIAL	GARDNER	21	305	313	335	363	331	332	.40
HUNT MEMORIAL	DANVERS	62	480	500	600	648	687	665	.80
JORDAN	PLYMOUTH	53	683	708	772	671	742	793	.95

*NOTE: DURING 1982, A 6-MONTH NURSES STRIKE RESULTED IN THE REDUCED NUMBER OF BIRTHS AT BURBANK HOSPITAL. MOST OF THE PATIENTS WERE REFERRED TO LEOMINSTER HOSPITAL.

TABLE B-8 (continued)
BIRTHS BY HOSPITAL OF OCCURRENCE
1980-1985

HOSPITAL	CITY/TOWN	HSA SUB- AREA	1980	1981	1982	1983	1984	1985	%
LAWRENCE GENERAL	LAWRENCE	32	1,497	1,351	1,263	1,471	1,520	1,578	1.89
LEOMINSTER	LEOMINSTER	21	794	869	1,498	1,097	1,016	1,107	1.33
LEONARD MORSE	NATICK	43	663	622	634	642	605	665	.80
LOWELL GENERAL	LOWELL	31	1,623	1,817	1,841	1,808	1,930	2,056	2.47
LYNN	LYNN	63	1,344	1,289	1,246	1,105	1,066	1,078	1.29
MALDEN	MALDEN	65	1,397	1,370	1,438	1,408	1,564	1,931	2.32
MARTHA'S VINEYARD	OAK BLUFFS	57	119	105	113	129	162	156	.19
MARY LANE	WARE	13	299	312	315	281	309	262	.31
MELROSE-WAKEFIELD	MELROSE	64	1,467	1,375	1,459	1,412	1,354	1,259	1.51
MILFORD-WHITINSVILLE	MILFORD	23	532	456	520	416	429	511	.61
MORTON	TAUNTON	54	785	739	713	638	683	641	.77
MOUNT AUBURN	CAMBRIDGE	42	866	961	1,030	939	1,152	1,085	1.30
NANTUCKET COTTAGE	NANTUCKET	57	55	61	72	78	80	89	.11
NEW ENGLAND MEMORIAL	STONEHAM	64	859	1,008	1,023	1,049	1,030	906	1.09
NEWTON-WELLESLEY	NEWTON	43	1,520	1,662	1,619	1,906	2,065	2,301	2.76
NORTH ADAMS REGIONAL	NORTH ADAMS	11	354	518	449	376	421	383	.46
NORWOOD	NORWOOD	44	982	884	958	846	786	918	1.10
PROVIDENCE	HOLYOKE	13	1,338	1,286	1,248	1,118	1,116	1,056	1.27
QUINCY CITY	QUINCY	45	935	891	800	875	882	902	1.08
SALEM	SALEM	62	1,143	1,146	1,188	1,207	1,283	1,333	1.60
SOUTH SHORE	WEYMOUTH	45	1,937	1,847	2,023	1,976	2,052	2,047	2.46
ST. ELIZABETH'S	BOSTON	41	1,038	1,032	1,193	1,041	1,044	1,039	1.25
ST. JOSEPH'S	LOWELL	31	839	604	634	603	562	530	.64
ST. LUKE'S	NEW BEDFORD	56	2,005	2,028	2,064	1,978	2,011	2,028	2.43
ST. MARGARET'S	BOSTON	41	3,162	3,253	3,290	3,266	3,057	3,236	3.88
ST. VINCENT'S	WORCESTER	22	1,777	1,718	1,719	1,722	1,874	1,815	2.18
STURDY MEMORIAL	ATTLEBORO	51	977	1,032	1,024	989	1,011	1,022	1.23
TOBEY	WAREHAM	57	308	237	266	259	129	239	.29
WALTHAM	WALTHAM	43	847	850	869	838	879	807	.97
WINCHESTER	WINCHESTER	42	1,640	1,585	1,605	1,490	1,467	1,492	1.80

TABLE B-8 (continued)
BIRTHS BY HOSPITAL OF OCCURRENCE
1980-1985

HOSPITAL	CITY/TOWN	HSA SUB- AREA	1980	1981	1982	1983	1984	1985	%
WORCESTER HAHNEMANN	WORCESTER	22	1,258	1,129	1,106	1,194	1,161	1,311	1.57
WORCESTER MEMORIAL	WORCESTER	22	2,220	2,379	2,481	2,582	2,728	2,894	3.47
ALL OTHER HOSPITALS			20	18	20	18	20	22	.00
AT HOME, EN ROUTE, OTHER			442	577	634	605	574	733	.88
TOTAL			74,251	75,546	77,441	77,737	79,752	83,307	100.00
HEALTH SERVICE AREA	HEALTH SERVICE AREA-- HOSPITAL BIRTHS								
I WESTERN MASS			10,680	10,899	10,918	10,711	10,897	10,984	13.31
II CENTRAL MASS			8,289	8,244	8,496	8,639	8,804	9,347	11.32
III MERRIMACK			6,556	6,377	5,440	6,395	6,553	6,841	8.29
IV METRO-GREATER BOSTON			28,816	29,605	30,609	31,379	32,438	34,518	41.81
V SOUTH SHORE			11,703	11,889	11,960	11,683	11,961	12,166	14.74
VI NORTH SHORE			7,765	7,942	8,364	8,307	8,505	8,696	10.53
TOTAL			73,809	74,956	76,787	77,114	79,158	82,552	100.00

MORTALITY

SECTION C

MORTALITY

Resident deaths increased slightly in Massachusetts from 55,189 in 1984 to 55,590 in 1985, an increase of 0.7%. The rate of deaths declined, however, from 9.6 per 1,000 population in 1984 to 9.5 in 1985. As with live births, all deaths to Massachusetts residents include all deaths to Massachusetts residents regardless of the state in which they occurred. Most data presented in this section include resident data. Occurrence data are used only with medical examiner data.

DEATHS BY RACE

The number of deaths by race remained relatively constant with 96.5% of total deaths to white residents in Massachusetts.

Race data provided through death certificates vary considerably from that provided on the birth certificate. On birth certificates, race is provided as part of the confidential, statistical portion of the record. As such, there is a significant problem with nonrespondents. On the death certificate, however, race information (as is all information on the death certificate) is part of the legal record and must be provided in order to register the death. In 1985, there were only 24 death records with a nonresponse in the race item. In most cases, this item would be unknown in the case of a body which is badly decomposed, rather than a refusal to provide the information.

As with birth certificate data, there is a problem identifying those deaths to individuals of Hispanic ancestry. The question as asked on the death certificate is limited to a race question and, in many cases, individuals with Hispanic ancestry were identified using a race designation, i.e., white or black, rather than a response of Hispanic. If the response were Hispanic, however, these deaths are included in the category of "white." Race information on the death certificate is provided by the informant, which in most cases is a close relative.

DEATH BY AGE

Overall, 52.2% of deaths were to persons aged 75 or older. The percentages of deaths aged 75 and over vary widely by race and sex as presented below.

SEX	RACE	% OF DEATHS UNDER AGE 75	% OF DEATHS 75 YEARS AND OLDER	TOTAL
MALE	WHITE	58.0	42.0	100.0
	NONWHITE	77.4	22.6	100.0
	TOTAL	58.8	41.2	100.0
FEMALE	WHITE	36.3	63.7	100.0
	NONWHITE	62.0	38.0	100.0
	TOTAL	31.8	68.2	100.0
TOTAL	WHITE	46.9	53.1	100.0
	NONWHITE	70.3	29.7	100.0
	TOTAL	47.8	52.2	100.0

DEATHS BY PLACE OF OCCURRENCE

There is little variation on a yearly basis where deaths occur, as shown in the data presented below.

SITE	% OF DEATHS 1984	% OF DEATHS 1985
HOSPITAL	63.1	62.6
AT HOME	14.5	14.4
NURSING OR REST HOME	14.3	15.0
EN ROUTE OR DEAD ON ARRIVAL	7.1	7.0
OTHER OR UNKNOWN	1.0	1.0
TOTAL	100.0	100.0

DEATHS BY CAUSE

There was no change from 1984 in the rank order of the ten leading causes of death in Massachusetts. There continues to be differences in the rank order of the ten leading causes of death between Massachusetts and U.S. deaths. The first three causes (heart disease, cancer, and cerebrovascular disease) are the same for both U.S. and the state. The differences, however, are minimal and the last seven causes constitute less than 20% of the deaths (See Table C-2).

Cause of death statistics in this report are based on the Ninth Revision of the International Classification of Diseases (ICD-9). The methodology of coding cause of death from death certificates is consistent nationally, using the Automated Classification of Medical Entities (ACME), developed by the National Center for Health Statistics (NCHS). The ACME system requires every disease or condition mentioned on the record to be coded. The underlying cause is then selected by a computer program which incorporates the ICD-9 rules and conventions. Cause of death information in this report is based on underlying cause except where otherwise noted.

Three tables (Tables C-8A, C-8B and C-9) do present data based on multiple conditions rather than underlying cause data. These tables are presented to illustrate the use of multiple cause data in extending the utility of mortality data. This is particularly true when utilizing mortality data as a method of surveillance. For example, if all deaths due to cancer were isolated in 1985 using traditional underlying cause of death, 13,054 deaths would be isolated. However, by using multiple cause of death data, an additional 13,505 deaths with cancer as a mentioned condition would be found to increase the surveillance data base. Table C-9 demonstrates the ability of multiple cause data to intensify the ability of mortality data to function as a morbidity tool in cases of diseases that are not traditional underlying causes of death. In the case of diabetes, 932 deaths had this condition listed as an underlying cause but an additional 3,343 had diabetes listed as a mentioned condition, thus increasing significantly the ability to locate diabetes in the population.

Comparison of the leading causes of death reveal differences by race (Graph C-4). Among white Massachusetts residents, heart disease ranks as the leading cause and is second among nonwhite residents. Perinatal mortality and homicide

(number 5 and 6) are among the leading causes for nonwhite residents and are not among the leading causes for white Massachusetts residents. The table below presents the five leading individual causes and the category of "all other causes:"

CAUSE	WHITE	RANK	NONWHITE	RANK
HEART DISEASE	20,479 38.2%	1	581 28.1%	2
ALL OTHER	12,815 23.9%	2	742 37.2%	1
MALIGNANT NEOPLASMS	12,623 23.6%	3	426 21.4%	3
CEREBRO. DISEASE	3,668 6.9%	4	116 5.8%	4
INFLUENZA & PNEUMONIA	2,166 4.0%	5	NOT LEADING CAUSE	
COPD	1,822 3.4%	6	NOT LEADING CAUSE	
PERINATAL MORTALITY	NOT LEADING CAUSE		77 3.9%	5
HOMICIDE	NOT LEADING CAUSE		71 3.6%	6

DEATHS CERTIFIED BY MEDICAL EXAMINERS

The total number of deaths certified by medical examiners decreased slightly in 1985 from 12,827 in 1984 to 12,606 in 1985. Of the deaths certified by medical examiners, 79.8% were due to nonviolent causes. The percentage of nonviolent deaths certified by medical examiners varies by county, from a high of 85.9% in Bristol County to a low of 42.9% in Nantucket. Due to the small number of deaths in Nantucket, this number is misleading. It is more reasonable to look at the low of 68.9% in Worcester County to determine the lower end of the range. Suffolk County had the greatest number of deaths (1,396) that were referred to medical examiners but with the certification retained by the attending physician.

1990 HEALTH OBJECTIVES

Below is presented an assessment of Massachusetts in 1985 against the 1990 health objectives that may be measured with mortality data.

1990 OBJECTIVE

Maternal mortality rate should not exceed 5 per 100,000 live births for any county or any ethnic group.

1990 OBJECTIVE

Deaths from drowning should be reduced to no more than 1.5 per 100,000 persons.

1990 OBJECTIVE

Deaths due to falls should be no more than 2 per 100,000 persons.

1990 OBJECTIVE

Motor vehicle death rate for children under the age of 15 should be no more than 5.5 per 100,000 children.

1990 OBJECTIVE

Overall motor vehicle death rate should not exceed 18 per 100,000 population.

1990 OBJECTIVE NATIONAL

No more than 4,500 residential fire deaths nationwide.

MASSACHUSETTS-1985

Although mortality data included no maternal deaths in 1985, this is misleading. Additional study linking death certificate data with birth certificate data is necessary to determine the actual maternal mortality rate. This is an activity that will be pursued in the future with the expanded data base provided by the new birth certificate.

MASSACHUSETTS-1985

There were 11 deaths from drowning in 1985 resulting in a rate of 0.19 per 100,000 population, well below the 1990 objective.

MASSACHUSETTS-1985

In 1985 there were 401 deaths for a rate of 6.9 per 100,000.

MASSACHUSETTS-1985

The 1985 rate was 4.17 with 49 deaths.

MASSACHUSETTS-1985

The rate in 1985 was 13.96, already below the 1990 objective.

MASSACHUSETTS OBJECTIVE

No more than 60 per year.

MASSACHUSETTS-1985

There were 81 deaths in 1985.

1990 OBJECTIVE

Drug related deaths should not exceed 2 per 100,000 population yearly.

1990 OBJECTIVE

The death rate from cirrhosis should not exceed 12 per 100,000.

1990 OBJECTIVE

Deaths from alcohol related motor vehicle accidents should be less than 9.5 per 100,000 population.

MASSACHUSETTS-1985

The 1985 death rate was 1.03 with 60 deaths. However, recent studies have shown that chemical substances such as drugs and alcohol are severely underreported as a cause of mortality. This rate may be impacted by this systematic underreporting.

MASSACHUSETTS-1985

The 1985 rate was 13.0 per 100,000 population.

MASSACHUSETTS-1985

In data supplied from the Registry of Motor Vehicles, the number of alcohol related deaths was given as 222 or 3.8 per 100,000 population.

DEFINITIONS AND RATES IMPORTANT FOR THIS SECTION INCLUDE:

CAUSE OF DEATH

The underlying condition which gives rise to a series of events leading to death. The code used for identifying cause of death is the 9th Edition of the International Classification of Disease. The underlying cause of death is generated by a computer software program developed by the National Center for Health Statistics from coding all causes on death certificates.

AGE SPECIFIC DEATH RATE

$$\frac{\text{No. of Resident Deaths in Specific Age Group}}{\text{Total Population of Specific Age Group}} \times 100,000$$

CAUSE SPECIFIC DEATH RATE

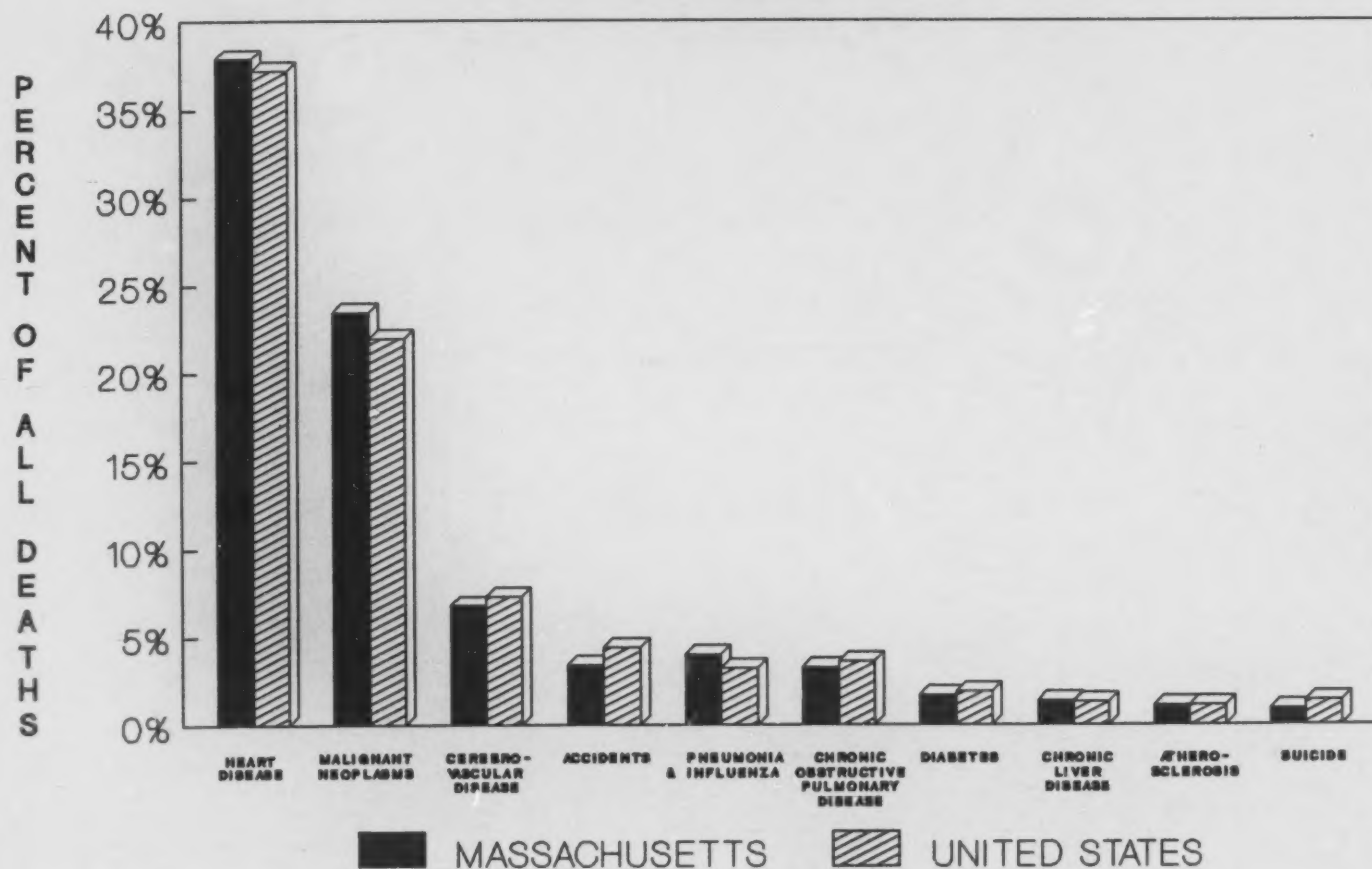
$$\frac{\text{No. of Resident Deaths for a Specific Cause}}{\text{Total Population}} \times 100,000$$



TABLE C-1
RESIDENT DEATHS BY AGE, SEX AND RACE
1985

AGE	- ALL RACES -			- WHITE -			- NON-WHITE -			- OTHER & UNKNOWN -		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL	55,590	27,227	28,363	53,573	26,132	27,441	1,993	1,080	913	24	15	9
<5	857	467	390	697	385	312	159	81	78	1	1	0
5-9	49	29	20	40	22	18	9	7	2	0	0	0
10-14	85	48	37	76	44	32	8	3	5	1	1	0
15-19	332	248	84	303	228	75	29	20	9	0	0	0
20-24	431	332	99	393	305	88	36	25	11	2	2	0
25-29	445	335	110	398	306	92	47	29	18	0	0	0
30-34	511	374	137	436	319	117	75	55	20	0	0	0
35-39	621	414	207	554	375	179	66	38	28	1	1	0
40-44	725	486	239	657	438	219	68	48	20	0	0	0
45-49	964	603	361	881	548	333	83	55	28	0	0	0
50-54	1,611	1,005	606	1,490	931	559	118	71	47	3	3	0
55-59	2,797	1,744	1,053	2,647	1,651	996	148	91	57	2	2	0
60-64	4,319	2,634	1,685	4,138	2,530	1,608	177	101	76	4	3	1
65-69	5,769	3,371	2,398	5,561	3,249	2,312	207	122	85	1	0	1
70-74	7,019	3,910	3,109	6,845	3,821	3,024	170	88	82	4	1	3
75-79	7,748	3,913	3,835	7,584	3,849	3,735	163	64	99	1	0	1
80-84	7,765	3,281	4,484	7,596	3,202	4,394	167	78	89	2	1	1
85-89	7,021	2,332	4,689	6,890	2,279	4,611	129	53	76	2	0	2
90-94	4,555	1,277	3,278	4,480	1,251	3,229	75	26	49	0	0	0
95-99	1,662	366	1,296	1,619	350	1,269	43	16	27	0	0	0
>99	299	54	245	285	47	238	14	7	7	0	0	0
UNKNOWN	5	4	1	3	2	1	2	2	0	0	0	0

FIGURE C - 1
TEN LEADING CAUSES OF DEATH
MASSACHUSETTS AND UNITED STATES
 1985



NOTE: U.S.A. DATA — PROVISIONAL

FIGURE C-2
 PROPORTION OF 5 SELECTED CAUSES OF DEATH
 MASSACHUSETTS RESIDENTS
 1940-1985

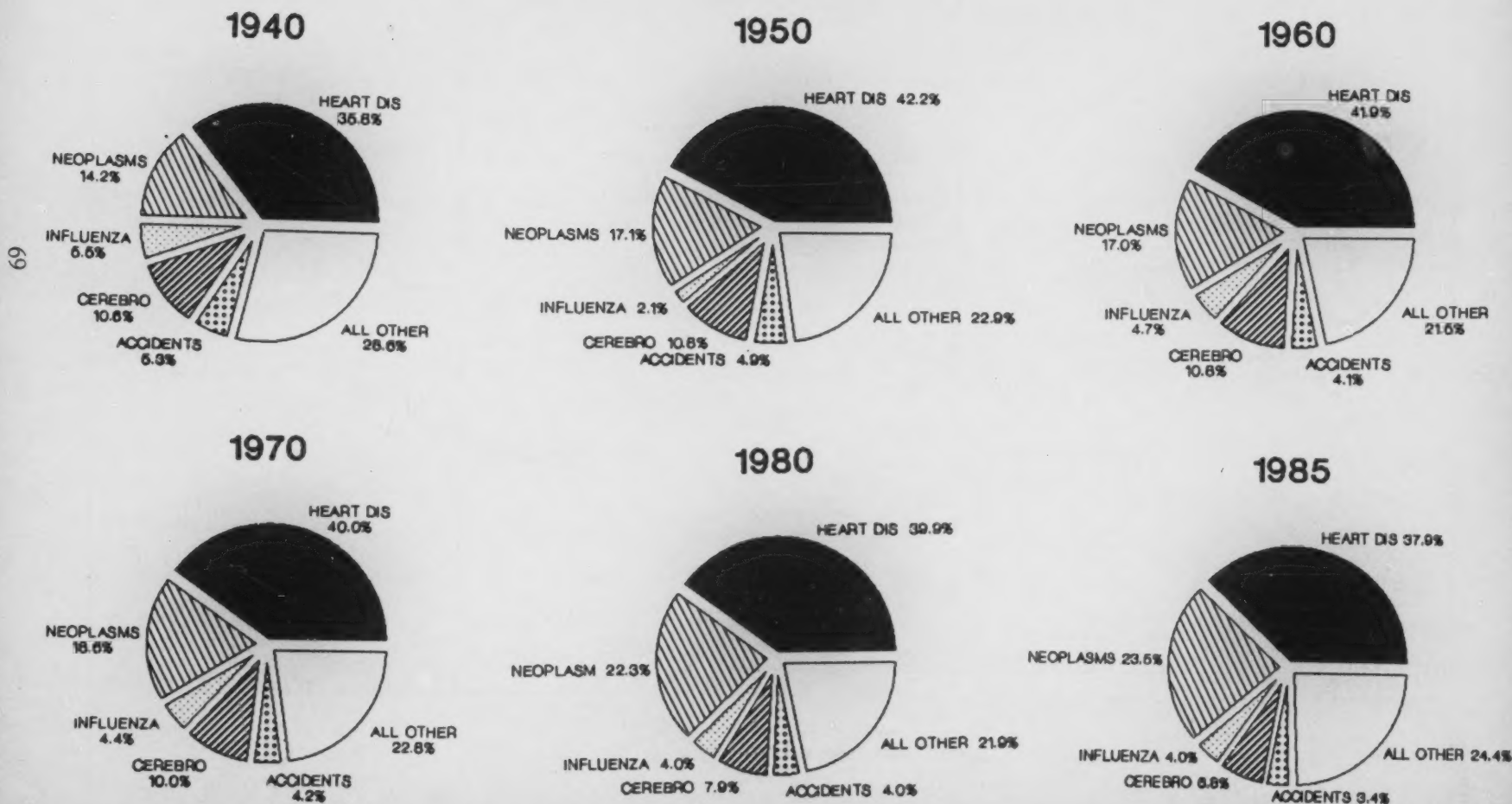


TABLE C-2
LEADING CAUSES OF DEATH, MASSACHUSETTS AND UNITED STATES
1984-1985

CAUSE OF DEATH	- 1985 -					- 1984 -				
	MASS. NUMBER	%	RANK	U.S.%	RANK	MASS. NUMBER	%	RANK	U.S.%	RANK
TOTAL	55,590	100.0	---	100.0	---	55,189	100.0	---	100.0	---
DISEASES OF THE HEART (390-398, 402, 404-429)	21,048	37.9	1	37.2	1	21,386	38.8	1	37.4	1
MALIGNANT NEOPLASMS (140-209)	13,054	23.5	2	22.0	2	13,045	23.6	2	22.1	2
CEREBROVASCULAR DISEASE (430-438)	3,784	6.8	3	7.3	3	3,849	7.0	3	7.6	3
PNEUMONIA & INFLUENZA (480-487)	2,232	4.0	4	3.2	6	1,958	3.5	4	2.9	6
ACCIDENTS (800-949)	1,877	3.4	5	4.4	4	1,880	3.4	5	4.6	4
CHRONIC OBSTRUCTIVE PULMONARY DISEASES (490-496)	1,862	3.3	6	3.6	5	1,801	3.3	6	3.4	5
DIABETES MELLITUS (250)	932	1.7	7	1.9	7	910	1.6	7	1.8	7
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	758	1.4	8	1.3	9	840	1.5	8	1.3	9
ATHEROSCLEROSIS (440)	599	1.1	9	1.1	10	656	1.2	9	1.2	10
SUICIDE (950-959)	547	0.9	10	1.4	8	535	1.0	10	1.4	8
ALL OTHER CAUSES	8,897	16.0	---	16.6	---	8,329	15.1	---	16.3	---

TABLE C-3
LEADING CAUSES OF DEATH BY HEALTH SERVICE AREAS
1985

CAUSE OF DEATH	STATE	HSA I	HSA II	HSA III	HSA IV	HSA V	HSA VI
	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE	NUMBER/ RANK/ RATE
TOTAL	55,590 9.5	7,807 10.0	6,433 9.2	4,697 9.3	19,944 9.5	10,375 9.5	6,334 9.9
DISEASES OF THE HEART (390-398,402,404-429)	21,048 1 3.6	2,929 1 3.7	2,507 1 3.5	1,834 1 3.6	7,357 1 3.5	3,877 1 3.5	2,544 1 3.9
MALIGNANT NEOPLASMS (140-209)	13,054 2 2.2	1,797 2 2.3	1,396 2 1.9	1,052 2 2.1	4,764 2 2.3	2,515 2 2.3	1,530 2 2.3
CEREBROVASCULAR DISEASE (430-438)	3,784 3 .6	584 3 .7	383 3 .5	290 3 .5	1,285 3 .6	842 3 .8	400 3 .6
PNEUMONIA & INFLUENZA (480-487)	2,232 4 .3	308 4 .3	241 4 .3	164 5 .3	899 4 .4	360 5 .3	260 4 .4
ACCIDENTS (800-949)	1,877 5 .3	276 6 .3	225 5 .3	166 4 .3	669 5 .3	375 4 .3	166 6 .3
CHRONIC OBSTRUCTIVE PULMONARY DISEASES (490-496)	1,862 6 .3	303 5 .3	220 6 .3	163 6 .3	598 6 .3	347 6 .3	231 5 .3
DIABETES MELLITIS (250)	932 7 .2	129 7 .1	110 7 .1	102 8 .2	307 7 .1	188 7 .1	96 7 .1
CHRONIC LIVER DISEASE & CIRRHOSIS (571)	758 8 .1	85 9 .1	83 8 .1	68 9 .1	295 8 .1	143 9 .1	84 8 .1
ATHEROSCLEROSIS (440)	599 9 .1	100 8 .1	71 10 .1	105 7 .2	119 10 .1	147 8 .1	57 9 .1
SUICIDE (950-959)	547 10 .1	73 10 .1	81 9 .1	49 10 .1	190 9 .1	98 10 .1	56 10 .1
ALL OTHER CAUSES	8,897 1.5	1,223 1.5	1,116 1.5	704 1.3	3,461 1.6	1,483 1.3	910 1.4

NOTE: The rates for the state are determined using 1985 estimated population. HSA rates utilize 1980 U.S. Census data.

TABLE C-4
LEADING CAUSES OF DEATH BY AGE GROUP AND SEX
1985

AGE GROUP	TOTAL	MALE	FEMALE
<u>UNDER 1 YEAR</u>			
TOTAL	745 1.3%	415 1.5%	330 1.2%
CERTAIN CAUSES OF PERINATAL MORTALITY (760-779)	366	200	166
CONGENITAL ANOMALIES (740-759)	198	109	89
SUDDEN INFANT DEATH SYNDROME (7980)	75	49	26
ALL OTHER CAUSES	106	57	49
<u>1-4 YEARS</u>			
TOTAL	112 .2%	52 .2%	60 .2%
OTHER ACCIDENTS (800-809, 824-949)	24	15	9
MOTOR VEHICLE ACCIDENTS (810-823)	15	8	7
CONGENITAL ANOMALIES (740-759)	14	6	8
MALIGNANT NEOPLASMS (140-209)	7	4	3
ALL OTHER CAUSES	52	19	33
<u>5-9 YEARS</u>			
TOTAL	49 .1%	29 .1%	20 .1%
MOTOR VEHICLE ACCIDENTS (810-823)	14	11	3
OTHER ACCIDENTS (800-809, 824-949)	11	9	2
MALIGNANT NEOPLASMS (140-209)	7	2	5
ALL OTHER CAUSES	17	7	10
<u>10-14 YEARS</u>			
TOTAL	85 .2%	48 .2%	37 .1%
MOTOR VEHICLE ACCIDENTS (810-823)	29	17	12
OTHER ACCIDENTS (800-809, 824-949)	16	10	6
MALIGNANT NEOPLASMS (140-209)	11	4	7
ALL OTHER CAUSES	29	17	12

TABLE C-4 (continued)
LEADING CAUSES OF DEATH BY AGE GROUP AND SEX
1985

AGE GROUP	TOTAL	MALE	FEMALE
<u>15-19 YEARS</u>			
TOTAL	332 .6%	248 .9%	84 .3%
MOTOR VEHICLE ACCIDENTS (810-823)	143	114	29
SUICIDE (950-959)	45	36	9
OTHER ACCIDENTS (800-809, 824-949)	28	28	0
MALIGNANT NEOPLASMS (140-209)	27	15	12
HOMICIDE (960-969)	21	13	8
ALL OTHER CAUSES	68	42	26
<u>20-29 YEARS</u>			
TOTAL	876 1.6%	667 2.5%	209 .7%
MOTOR VEHICLE ACCIDENTS (810-823)	235	192	43
SUICIDE (950-959)	156	131	25
OTHER ACCIDENTS (800-809, 824-949)	121	97	24
HOMICIDE (960-969)	67	54	13
MALIGNANT NEOPLASMS (140-209)	66	40	26
ALL OTHER CAUSES	231	153	78
<u>30-39 YEARS</u>			
TOTAL	1,132 2.0%	788 2.9%	344 1.2%
MALIGNANT NEOPLASMS (140-209)	224	104	120
SUICIDE (950-959)	108	86	22
MOTOR VEHICLE ACCIDENTS (810-823)	97	81	16
OTHER ACCIDENTS (800-809, 824-949)	92	76	16
ISCHEMIC HEART DISEASE (410-414)	78	66	12
CHRONIC LIVER DISEASE AND CIRRHOSIS (571)	64	46	18
ALL OTHER CAUSES	469	329	140
<u>40-49 YEARS</u>			
TOTAL	1,689 3.0%	1,089 4.0%	600 2.1%
MALIGNANT NEOPLASMS (140-209)	533	246	287
ISCHEMIC HEART DISEASE (410-414)	352	286	66
CHRONIC LIVER DISEASE AND CIRRHOSIS (571)	86	56	30
DISEASES OF THE RESPIRATORY SYSTEM (460-519)	67	37	30
SUICIDE (950-959)	66	47	19
ALL OTHER CAUSES	585	417	168

TABLE C-4 (continued)
LEADING CAUSES OF DEATH BY AGE GROUP AND SEX
1985

AGE GROUP	TOTAL	MALE	FEMALE
<u>50-59 YEARS</u>			
TOTAL	4,408 7.9%	2,749 10.1%	1,659 5.9%
MALIGNANT NEOPLASMS (140-209)	1,657	828	829
ISCHEMIC HEART DISEASE (410-414)	1,106	856	250
DISEASES OF THE RESPIRATORY SYSTEM (460-519)	211	125	86
CHRONIC LIVER DISEASE AND CIRRHOSIS (571)	175	119	56
CEREBROVASCULAR DISEASE (430-438)	155	82	73
ALL OTHER CAUSES	1,104	739	365
<u>60-69 YEARS</u>			
TOTAL	10,088 18.2%	6,005 22.1%	4,083 14.4%
MALIGNANT NEOPLASMS (140-209)	3,606	1,945	1,661
ISCHEMIC HEART DISEASE (410-414)	2,798	1,904	894
DISEASES OF THE RESPIRATORY SYSTEM (460-519)	670	422	248
CEREBROVASCULAR DISEASE (430-438)	387	200	187
CHRONIC LIVER DISEASE AND CIRRHOSIS (571)	220	141	79
ALL OTHER CAUSES	2,407	1,393	1,014
<u>70-79 YEARS</u>			
TOTAL	14,767 26.6%	7,823 28.7%	6,944 24.5%
ISCHEMIC HEART DISEASE (410-414)	4,533	2,491	2,042
MALIGNANT NEOPLASMS (140-209)	3,962	2,131	1,831
DISEASES OF THE RESPIRATORY SYSTEM (460-519)	1,362	792	570
CEREBROVASCULAR DISEASE (430-438)	937	406	531
DIABETES MELLITUS (250)	271	110	161
OTHER ACCIDENTS (800-809, 824-949)	169	85	84
ALL OTHER CAUSES	3,533	1,808	1,725
<u>80-89 YEARS</u>			
TOTAL	14,786 26.6%	5,613 20.6%	9,173 32.3%
ISCHEMIC HEART DISEASE (410-414)	4,575	1,771	2,804
MALIGNANT NEOPLASMS (140-209)	2,388	1,042	1,346
DISEASES OF THE RESPIRATORY SYSTEM (460-519)	1,612	735	877
CEREBROVASCULAR DISEASE (430-438)	1,476	426	1,050
DIABETES MELLITUS (250)	278	89	189
OTHER ACCIDENTS (800-809, 824-949)	230	88	142
ALL OTHER CAUSES	4,227	1,462	2,765

TABLE C-4 (continued)
LEADING CAUSES OF DEATH BY AGE GROUP AND SEX
1985

AGE GROUP	TOTAL	MALE	FEMALE
<u>90-99 YEARS</u>			
TOTAL	6,217 11.2%	1,643 6.0%	4,574 16.1%
ISCHEMIC HEART DISEASE (410-414)	2,128	540	1,588
DISEASES OF THE RESPIRATORY SYSTEM (460-519)	741	261	480
CEREBROVASCULAR DISEASE (430-438)	707	134	573
MALIGNANT NEOPLASMS (140-209)	546	179	367
ATHEROSCLEROSIS (440)	229	57	172
ALL OTHER CAUSES	1,866	472	1,394
<u>100 YEARS & OLDER</u>			
TOTAL	299 .5%	54 .2%	245 .9%
ISCHEMIC HEART DISEASE (410-414)	108	18	90
DISEASES OF THE RESPIRATORY SYSTEM (460-519)	40	12	28
CEREBROVASCULAR DISEASE (430-438)	28	6	22
MALIGNANT NEOPLASMS (140-209)	19	6	13
ATHEROSCLEROSIS (440)	10	2	8
ALL OTHER CAUSES	94	10	84
<u>TOTAL MASSACHUSETTS DEATHS</u>	55,590*	27,227	28,363
*INCLUDES ONE INFANT DEATH OF UNKNOWN SEX AND FIVE DEATHS OF UNKNOWN AGE.			

FIGURE C-3
5 LEADING CAUSES OF DEATH BY SEX
1985

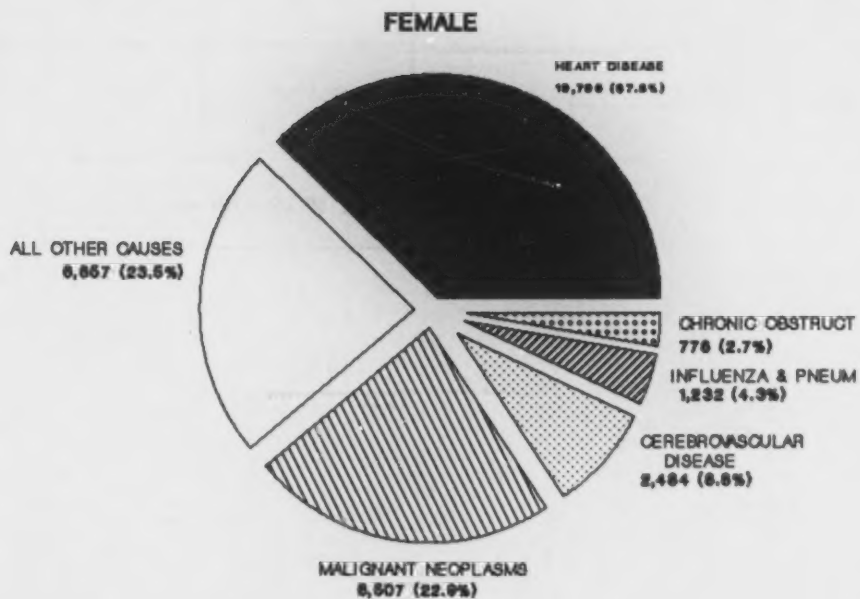
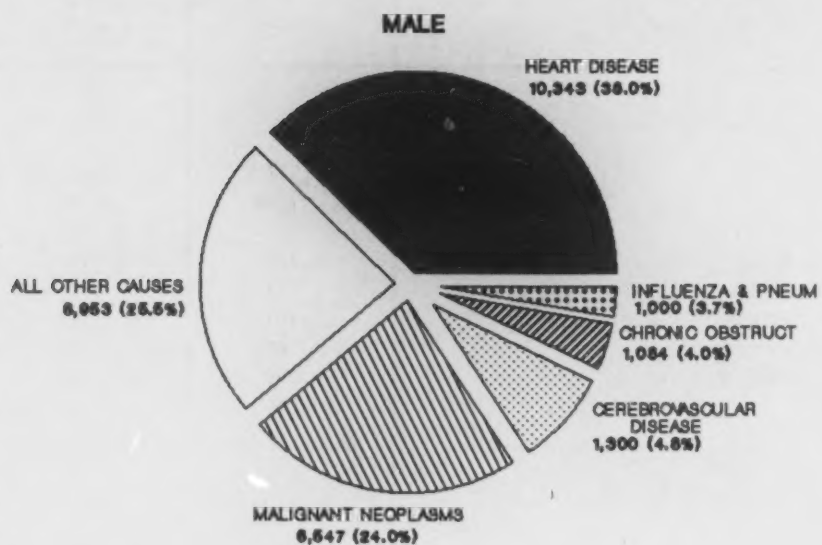
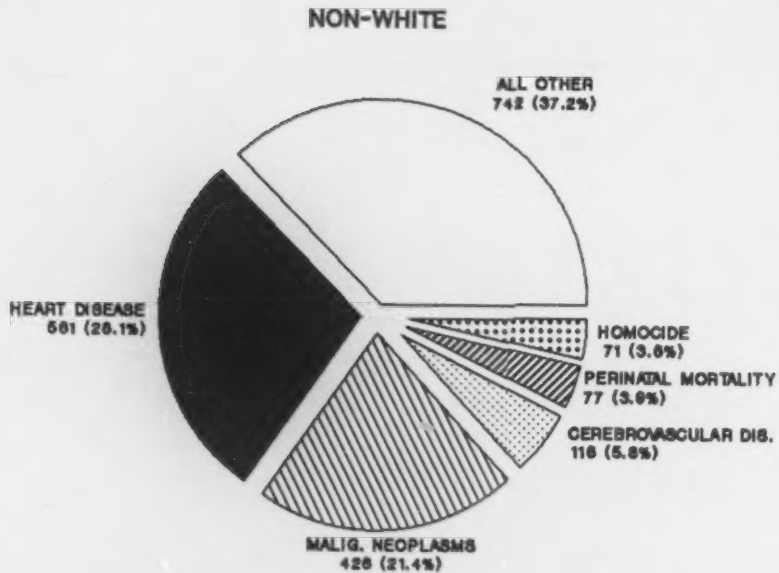
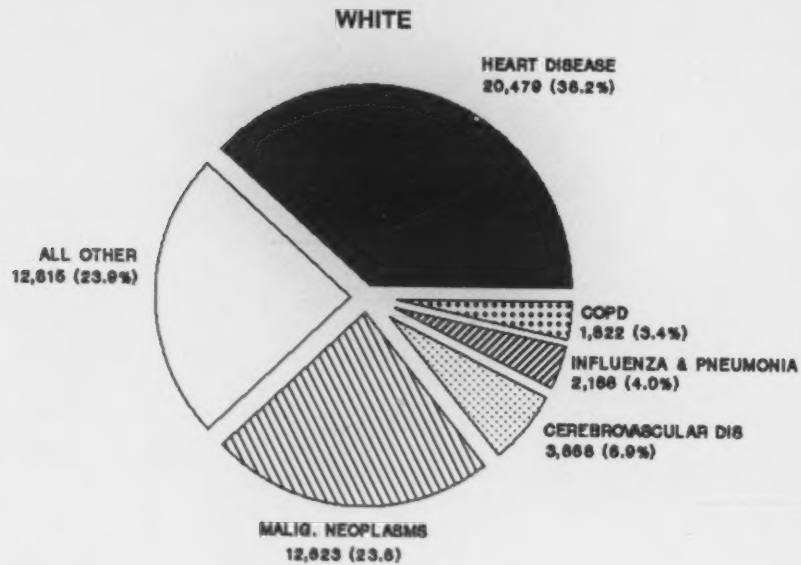


FIGURE C-4
FIVE LEADING CAUSES OF DEATH BY RACE*
1985



*GRAPHS DO NOT REFLECT 24 DEATHS OF UNKNOWN RACE

TABLE C-5
MAJOR CAUSES OF MASSACHUSETTS RESIDENT DEATHS BY RACE AND SEX
1985

MAJOR CAUSE OF DEATH (ICD CODE)		- TOTALS -			- WHITE -			- NON-WHITE -		
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTALS	N	55,590	27,227	28,363	53,573	26,132	27,441	1,993	1,080	913
	%	100	100	100	100	100	100	100	100	100
I. INFECTIVE AND PARASITIC DISEASES (001-139)		797	404	393	730	368	362	67	36	31
		1.4	1.5	1.4	1.4	1.4	1.3	3.3	3.3	3.4
II. NEOPLASMS (140-239)		13,237	6,633	6,604	12,800	6,397	6,403	431	235	196
		23.8	24.4	23.3	23.9	24.5	23.3	21.6	21.8	21.5
III. ENDOCRINE, NUTRITIONAL AND METABOLIC DISORDERS (240-279)		1,350	558	792	1,281	526	755	69	32	37
		2.4	2.0	2.8	2.4	2.0	2.8	3.5	3.0	4.1
IV. DIS. OF THE BLOOD AND BLOOD-FORMING ORGANS (280-289)		204	91	113	188	86	102	16	5	11
		.4	.3	.4	.3	.3	.4	.8	.5	1.2
V. MENTAL DISORDERS (290-319)		449	197	252	428	184	244	21	13	8
		.8	.7	.9	.8	.7	.9	1.1	1.2	.9
VI. DIS. OF THE NERVOUS SYSTEM AND SENSE ORGANS (320-389)		1,046	467	579	1,018	453	565	28	14	14
		1.9	1.7	2.0	1.9	1.7	2.1	1.4	1.2	1.5
VII. DIS. OF THE CIRCULATORY SYSTEM (390-459)		26,454	12,376	14,078	25,731	12,010	13,721	714	359	355
		47.6	45.5	49.6	48.0	46.0	50.0	35.8	33.2	38.9
VIII. DIS. OF THE RESPIRATORY SYSTEM (460-519)		4,792	2,433	2,359	4,655	2,352	2,303	137	81	56
		8.6	8.9	8.3	8.7	9.0	8.4	6.9	7.5	6.1
IX. DIS. OF THE DIGESTIVE SYSTEM (520-579)		2,215	1,107	1,108	2,134	1,069	1,065	80	37	43
		4.0	4.1	3.9	4.0	4.1	3.9	4.0	3.4	4.7
X. DIS. OF THE GENITOURINARY SYSTEM (580-629)		1,015	451	564	957	423	534	58	28	30
		1.8	1.7	2.0	1.8	1.6	1.9	2.9	2.6	3.3
XI. COMPLICATIONS OF PREGNANCY, CHILD-BIRTH, AND PUERPERIUM (630-676)		5	0	5	4	0	4	1	0	1
		0	0	0	0	0	0	.1	0	.1
XII. DIS. OF THE SKIN AND SUBCUTANEOUS TISSUE (680-709)		117	45	72	108	42	66	9	3	6
		.2	.2	.3	.2	.2	.2	.4	.3	.6
XIII. DIS. OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (710-739)		123	30	93	116	27	89	7	3	4
		.2	.1	.3	.2	.1	.3	.3	.3	.4
XIV. CONGENITAL ANOMALIES (740-759)		303	162	141	272	147	125	31	15	16
		.6	.6	.5	.5	.6	.4	1.6	1.4	1.8
XV. CERTAIN CONDITIONS ORIGINATING IN PERINATAL PERIOD (760-779)		368	202	166	291	163	128	77	39	38
		.7	.7	.6	.5	.6	.5	3.9	3.6	4.2
XVI. SYMPTOMS, SIGNS AND ILL-DEFINED CONDITIONS (780-799)		336	187	149	298	162	136	36	23	13
		.6	.7	.5	.6	.6	.5	1.8	2.1	1.4
XVII. EXTERNAL CAUSES OF INJURY AND POISONING (800-999)		2,779	1,884	895	2,562	1,723	839	211	157	54
		5.0	6.9	3.2	4.8	6.6	3.1	10.6	14.5	5.9

NOTE: TOTALS REFLECT 15 MALES AND 9 FEMALES OF UNKNOWN RACE.

FIGURE C-5

PROPORTION BY AGE GROUP WITHIN RACE MASSACHUSETTS RESIDENT DEATHS 1985

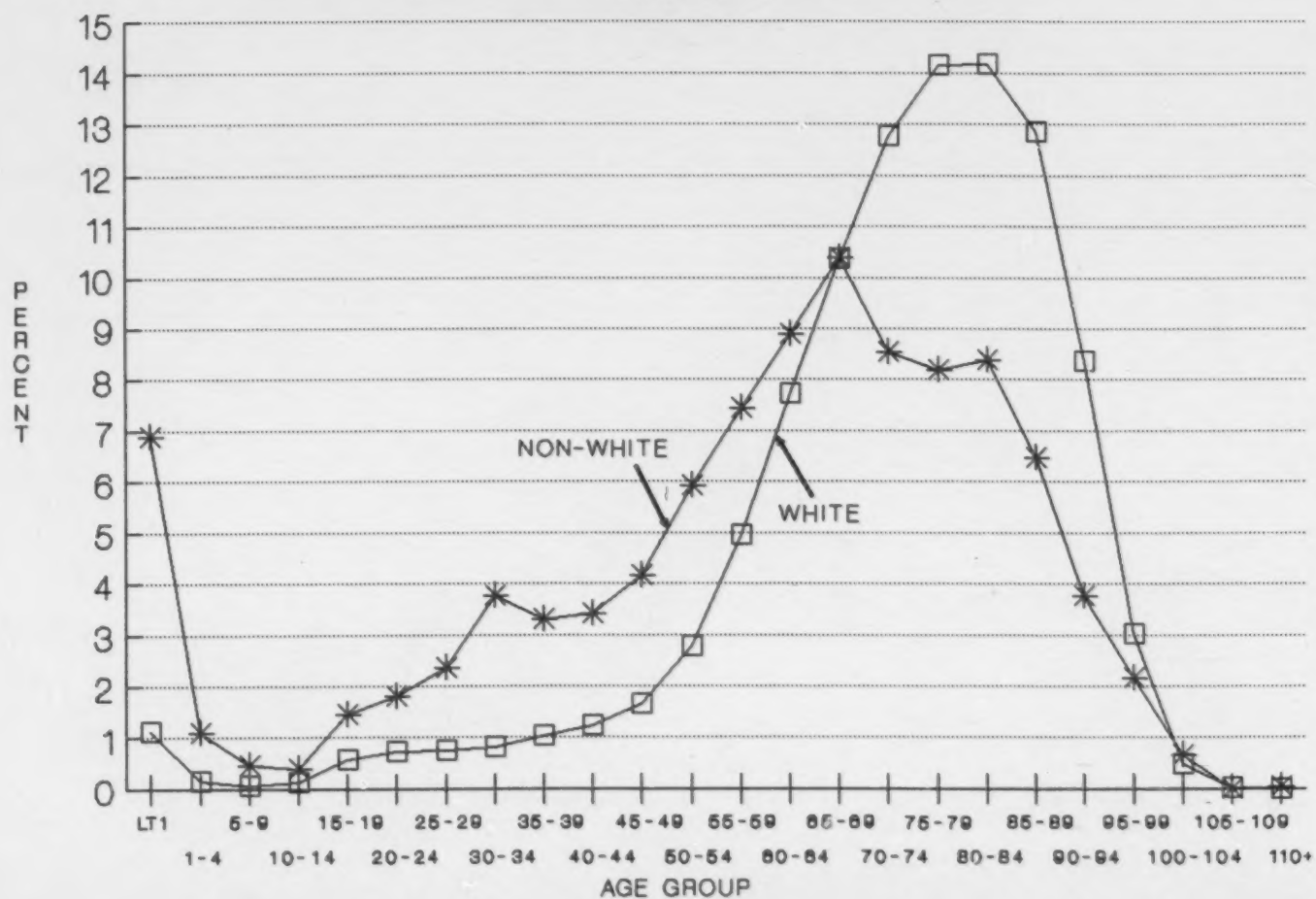


TABLE C-6A
SELECTED CAUSES OF DEATH BY AGE AND SEX
MASSACHUSETTS RESIDENTS
1985

CAUSE OF DEATH	TOTAL	0-4	5-9	10-14	15-19	20-29	30-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+
MALIGNANT NEOPLASMS (140-208)																
MALE	6547	5	2	4	15	40	104	98	148	290	538	853	1092	1116	1015	1227
FEMALE	6507	3	5	7	12	26	120	98	189	306	523	731	930	958	873	1726
TOTAL	13054	8	7	11	27	66	224	196	337	596	1061	1584	2022	2074	1888	2953
DIABETES MELLITUS (250)																
MALE	369	0	0	0	0	2	15	3	15	17	22	35	48	48	62	102
FEMALE	563	0	0	0	0	3	8	5	5	11	15	39	60	83	78	256
TOTAL	932	0	0	0	0	5	23	8	20	28	37	74	108	131	140	358
HEART DISEASES (390 - 398, 402, 404-429)																
MALE	10343	9	1	1	9	27	111	161	218	401	723	1063	1357	1631	1585	3046
FEMALE	10705	17	1	0	1	13	33	37	60	115	244	470	757	1173	1563	6221
TOTAL	21048	26	2	1	10	40	144	198	278	516	967	1533	2114	2804	3148	9267
CEREBROVASCULAR DISEASE (430-438)																
MALE	1300	1	0	0	2	6	8	11	18	32	50	73	127	195	211	566
FEMALE	2484	0	0	1	1	3	16	14	13	35	38	66	121	194	337	1645
TOTAL	3784	1	0	1	3	9	24	25	31	67	88	139	248	389	548	2211
ATHEROSCLEROSIS (440)																
MALE	193	0	0	0	0	1	0	0	1	2	11	3	10	22	26	117
FEMALE	406	0	0	0	0	0	0	0	0	2	4	4	7	14	33	342
TOTAL	599	0	0	0	0	1	0	0	1	4	15	7	17	36	59	459
INFLUENZA & PNEUMONIA (480-487)																
MALE	1000	6	0	0	2	4	7	7	5	14	17	44	66	140	157	531
FEMALE	1232	5	2	2	1	1	5	6	3	5	12	22	36	74	118	940
TOTAL	2232	11	2	2	3	5	12	13	8	19	29	66	102	214	275	1471
CHRONIC OBSTRUCTIVE PULMONARY (490-496)																
MALE	1084	1	0	0	0	0	6	3	6	22	53	87	153	183	209	361
FEMALE	778	0	1	1	1	1	4	4	12	18	30	63	88	134	159	262
TOTAL	1862	1	1	1	1	1	10	7	18	40	83	150	241	317	368	623

TABLE C-6A
SELECTED CAUSES OF DEATH BY AGE AND SEX
MASSACHUSETTS RESIDENTS
1985

CAUSE OF DEATH	TOTAL	0-4	5-9	10-14	15-19	20-29	30-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+
CHRONIC LIVER DIS. & CIRRHOSIS (571)																
MALE	495	0	0	0	0	2	46	21	35	44	75	64	77	53	38	40
FEMALE	263	1	0	0	0	1	18	12	18	21	35	35	44	32	25	21
TOTAL	758	1	0	0	0	3	64	33	53	65	110	99	121	85	63	61
MOTOR VEHICLE ACCIDENTS (810-825)																
MALE	591	9	11	17	114	195	81	21	13	15	24	23	16	13	12	27
FEMALE	222	8	3	12	29	43	16	9	6	9	7	22	12	21	11	14
TOTAL	813	17	14	29	143	238	97	30	19	24	31	45	28	34	23	41
SUICIDES (950-959) HOMICIDES (960-969)																
MALE	582	5	0	6	49	185	130	39	30	25	29	21	19	19	9	16
FEMALE	185	3	0	4	17	38	39	15	9	9	15	12	6	8	5	5
TOTAL	767	8	0	10	66	223	169	54	39	34	44	33	25	27	14	21
ALL OTHER ACCIDENTS (800-807,826-949)																
MALE	610	20	9	10	28	94	76	25	19	21	21	44	34	38	47	124
FEMALE	454	15	2	6	0	24	16	4	7	5	16	17	28	24	60	230
TOTAL	1064	35	11	16	28	118	92	29	26	26	37	61	62	62	107	354
ALL MASSACHUSETTS RESIDENT DEATHS																
MALE	27227	467	29	48	248	667	788	486	603	1005	1744	2634	3371	3910	3913	7314
FEMALE	28363	390	20	37	84	209	344	239	361	606	1053	1685	2398	3109	3835	13993
TOTAL	55590	857	49	85	332	876	1132	725	964	1611	2797	4319	5769	7019	7748	21307

5 DEATH RECORDS INCLUDED OF UNKNOWN AGE (AS OVER 80)

TABLE C-6B
SELECTED CAUSES OF DEATH BY AGE AND SEX
RATES PER 100,000 POPULATION
1965

CAUSE OF DEATH	TOTAL	0-4	5-9	10-14	15-19	20-29	30-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+
MALIGNANT NEOPLASMS (140-208)																
MALE	239.7	2.9	1.0	1.7	5.5	7.8	26.8	73.5	115.0	190.8	369.5	675.3	1093.9	1499.1	1324.1	6102.4
FEMALE	216.5	1.8	2.7	3.1	4.4	4.9	29.5	67.4	135.9	185.3	316.2	483.9	685.2	850.6	569.3	3208.1
TOTAL	227.5	2.4	1.9	2.4	4.9	6.3	28.2	70.3	125.9	188.0	341.2	571.0	858.4	1108.7	820.8	3995.5
DIABETES MELLITUS (250)																
MALE	13.5	0.0	0.0	0.0	0.0	0.4	3.9	2.2	11.7	11.2	15.1	27.7	48.1	64.5	80.9	507.3
FEMALE	18.7	0.0	0.0	0.0	0.0	0.6	2.0	3.4	3.6	6.7	9.1	25.8	44.2	73.7	50.9	475.8
TOTAL	16.2	0.0	0.0	0.0	0.0	0.5	2.9	2.9	7.5	8.8	11.9	26.7	45.8	70.0	60.9	484.4
HEART DISEASES (390 - 398, 402, 404-429)																
MALE	378.7	5.2	0.5	0.4	3.3	5.3	28.6	120.7	169.5	263.8	496.6	841.5	1359.4	2190.9	2067.6	15149.0
FEMALE	356.1	10.4	0.5	0.0	0.4	2.4	8.1	25.4	43.1	69.7	147.5	311.1	557.7	1041.5	1019.2	11563.0
TOTAL	366.9	7.7	0.5	0.2	1.8	3.8	18.1	71.0	103.8	162.7	310.9	552.7	897.5	1498.9	1368.6	12538.6
CEREBROVASCULAR DISEASE (430-438)																
MALE	47.6	0.6	0.0	0.0	0.7	1.2	2.1	8.2	14.0	21.1	34.3	57.8	127.2	261.9	275.2	2814.9
FEMALE	82.6	0.0	0.0	0.4	0.4	0.6	3.9	9.6	9.3	21.2	23.0	43.7	89.1	172.2	219.8	3057.6
TOTAL	66.0	0.3	0.0	0.2	0.5	0.9	3.0	9.0	11.6	21.1	28.3	50.1	105.3	207.9	238.3	2991.6
ATHEROSCLEROSIS (440)																
MALE	7.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.8	1.3	7.6	2.4	10.0	29.6	33.9	581.9
FEMALE	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	2.6	5.2	12.4	21.5	635.7
TOTAL	10.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.4	1.3	4.8	2.5	7.2	19.2	25.7	621.0
INFLUENZA & PNEUMONIA (480-487)																
MALE	36.6	3.5	0.0	0.0	0.7	0.8	1.8	5.2	3.9	9.2	11.7	34.8	66.1	188.1	204.8	2640.9
FEMALE	41.0	3.0	1.1	0.9	0.4	0.2	1.2	4.1	2.2	3.0	7.3	14.6	26.5	65.7	76.9	1747.2
TOTAL	38.9	3.3	0.5	0.4	0.5	0.5	1.5	4.7	3.0	6.0	9.3	23.8	43.3	114.4	119.6	1990.3
CHRONIC OBSTRUCTIVE PULMONARY (490-496)																
MALE	39.7	0.6	0.0	0.0	0.0	0.0	1.5	2.2	4.7	14.5	36.4	68.9	153.3	245.8	272.6	1795.4
FEMALE	25.9	0.0	0.5	0.4	0.4	0.2	1.0	2.8	8.6	10.9	18.1	41.7	64.8	119.0	103.7	487.0
TOTAL	32.5	0.3	0.3	0.2	0.2	0.1	1.3	2.5	6.7	12.6	26.7	54.1	102.3	169.5	160.0	842.9

TABLE C-6B
SELECTED CAUSES OF DEATH BY AGE AND SEX
RATES PER 100,000 POPULATION
1985

CAUSE OF DEATH	TOTAL	0-4	5-9	10-14	15-19	20-29	30-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+
CHRONIC LIVER DIS. & CIRRHOSIS (571)																
MALE	10.1	0.0	0.0	0.0	0.0	0.4	11.8	15.7	27.2	28.9	51.5	50.7	77.1	71.2	49.6	198.9
FEMALE	8.7	0.6	0.0	0.0	0.0	0.2	4.4	8.3	12.9	12.7	21.2	23.2	32.4	28.4	16.3	39.0
TOTAL	13.2	0.3	0.0	0.0	0.0	0.3	8.1	11.8	19.8	20.5	35.4	35.7	51.4	45.4	27.4	82.5
MOTOR VEHICLE ACCIDENTS (810-825)																
MALE	21.6	5.2	5.7	7.2	41.5	38.2	20.8	15.7	10.1	9.9	16.5	18.2	16.0	17.5	15.7	134.3
FEMALE	7.4	4.9	1.6	5.3	10.6	8.1	3.9	6.2	4.3	5.5	4.2	14.6	8.8	18.6	7.2	26.0
TOTAL	14.2	5.0	3.7	6.3	26.1	22.8	12.2	10.8	7.1	7.6	10.0	16.2	11.9	18.2	10.0	55.5
SUICIDES (950-959)																
HOMICIDES (960-969)																
MALE	21.3	2.9	0.0	2.5	17.8	34.3	33.4	29.2	23.3	16.4	19.9	16.6	19.0	25.5	11.7	79.6
FEMALE	6.2	1.8	0.0	1.8	6.2	7.1	9.6	10.3	6.5	5.5	9.1	7.9	4.4	7.1	3.3	9.3
TOTAL	13.4	2.4	0.0	2.2	12.0	21.4	21.3	19.4	14.6	10.7	14.1	11.9	10.6	14.4	6.1	28.4
ALL OTHER ACCIDENTS (800-807,826-949)																
MALE	22.3	11.6	4.7	4.2	10.2	18.4	19.6	18.7	14.8	13.8	14.4	34.8	34.1	51.0	61.3	616.7
FEMALE	15.1	9.1	1.1	2.7	0.0	4.5	3.9	2.8	5.0	3.0	9.7	11.3	20.6	21.3	39.1	427.5
TOTAL	18.5	10.4	2.9	3.5	5.1	11.3	11.6	10.4	9.7	8.2	11.9	22.0	26.3	33.1	46.5	479.0
ALL MASSACHUSETTS RESIDENT DEATHS																
MALE	997.0	269.9	15.1	20.4	90.2	130.8	202.7	364.4	468.7	661.1	1197.8	2085.1	3377.0	5252.3	5104.5	36375.4
FEMALE	943.5	237.5	10.9	16.4	30.7	39.3	84.7	164.4	259.6	367.1	636.7	1115.4	1766.7	2760.4	2500.8	26008.8
TOTAL	969.0	254.1	13.1	18.4	60.6	84.1	142.4	260.1	360.1	508.0	899.4	1557.0	2449.1	3752.1	3368.6	28829.1

TABLE C-7
AGE-ADJUSTED MORTALITY RATES -- 10 LEADING CAUSES OF DEATH, MASSACHUSETTS
1980-1985*

	<u>TOTAL</u>	<u>MALE</u>	<u>FEMALE</u>
DISEASES OF THE HEART (390-398,402,404-429)			
1980	291.0	399.9	215.1
1981	276.9	383.2	202.9
1982	275.2	383.0	199.8
1983	269.3	373.1	197.2
1984	268.1	370.4	197.1
1985	263.2	366.2	192.4
MALIGNANT NEOPLASMS (140-209)			
1980	176.6	227.1	147.0
1981	175.6	227.1	144.6
1982	178.1	228.8	148.3
1983	180.3	229.2	151.9
1984	180.0	225.8	153.2
1985	181.0	230.3	151.8
CEREBROVASCULAR DISEASE (430-438)			
1980	55.0	57.5	52.6
1981	50.4	53.9	47.9
1982	47.2	49.6	45.2
1983	44.4	48.0	41.5
1984	45.0	48.3	42.7
1985	45.8	46.3	42.6
ACCIDENTS (800-949)			
1980	32.8	48.0	19.2
1981	30.4	46.7	16.5
1982	26.8	40.2	15.3
1983	28.2	41.3	17.2
1984	27.4	41.0	15.6
1985	27.6	40.8	16.2
PNEUMONIA AND INFLUENZA (480-487)			
1980	27.7	38.8	21.2
1981	24.0	34.4	18.0
1982	20.6	30.7	15.0
1983	22.0	31.8	16.9
1984	22.0	31.8	17.0
1985	25.2	35.7	19.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASES (490-496)			
1980	20.7	37.0	11.5
1981	20.3	34.0	12.7
1982	19.3	32.1	12.0
1983	22.4	37.5	13.8
1984	23.3	38.6	14.6
1985	24.1	38.4	16.5
DIABETES MELLITUS (250)			
1980	14.1	15.7	12.8
1981	12.6	14.5	11.3
1982	12.3	12.9	11.8
1983	11.8	13.2	10.8
1984	11.8	13.6	10.4
1985	12.0	13.1	11.3

TABLE C-7 (continued)
AGE-ADJUSTED MORTALITY RATES -- 10 LEADING CAUSES OF DEATH, MASSACHUSETTS
1980-1985*

	<u>TOTAL</u>	<u>MALE</u>	<u>FEMALE</u>
CHRONIC LIVER DISEASE AND CIRRHOSIS (571)			
1980	12.8	17.4	9.1
1981	11.8	17.1	7.5
1982	11.6	16.5	7.8
1983	10.6	15.3	6.8
1984	12.7	18.7	8.0
1985	11.5	17.3	7.4
ATHEROSCLEROSIS (440)			
1980	8.8	8.7	8.7
1981	7.8	8.1	7.4
1982	7.6	9.0	7.0
1983	7.0	6.4	7.2
1984	6.8	6.9	6.7
1985	6.3	6.9	7.7
SUICIDE (950-959)			
1980	7.4	11.7	3.6
1981	7.9	13.0	3.3
1982	8.2	13.4	3.6
1983	8.0	13.6	3.2
1984	8.1	12.9	3.9
1985	8.2	13.5	3.6
* 1981-1984 rates were calculated using age-sex population estimates for Massachusetts which were derived according to the methodology developed by the Connecticut Department of Health Services. (See Population Section G for a description of methodology used.) The 1985 population estimates were provided by the Massachusetts Institute for Social and Economic Research. The standard population on which the death rates were age adjusted was the 1970 census for the United States.			

TABLE C-8A
DEATHS BY UNDERLYING CAUSE AND MENTIONED CONDITIONS
1985

UNDERLYING CAUSE	TOTAL DEATHS	MENTIONED CONDITIONS*														RATIO OF MENTIONS TO DEATHS
		1	2	3	4	5	6	7	8	9	10	11	12	13	TOTAL 1-13	
TOTAL	55,590	19,868	4,288	48,296	7,258	2,623	5,639	4,339	3,232	1,141	833	2,873	782	47,515	148,687	2.67
1. MALIGNANT NEOPLASM (140-209)	13,054	17,518	408	3,432	295	60	897	578	473	69	0	271	0	7,022	31,023	2.37
2. DIABETES MELITUS (250)	932	30	945	992	189	67	53	23	38	9	0	26	0	737	3,109	3.33
3. DISEASES OF THE HEART (390-398, 402, 404-429)	21,048	1,181	1,872	35,948	1,620	1,090	921	1,227	826	115	13	572	3	9,606	54,994	2.61
4. CEREBROVASCULAR DISEASE (430-438)	3,784	158	333	1,345	4,240	473	341	104	237	20	2	154	0	2,579	9,986	2.63
5. ATHEROSCLEROSIS (440)	599	32	42	295	0	599	46	20	28	1	0	34	0	355	1,452	2.42
6. PNEUMONIA & INFLUENZA (480-487)	2,233	218	122	959	285	64	2,237	122	74	20	1	40	0	1,848	5,990	2.68
7. CHRONIC OBSTRUCTIVE PULMONARY DISEASE (490-496)	1,862	141	76	1,018	73	37	346	1,879	131	15	0	60	1	1,519	5,296	2.84

*THE NUMBERS IN THE MENTIONED CONDITIONS COLUMNS REFER TO THE CAUSES WITH THE SAME NUMBERS IN THE UNDERLYING CAUSE COLUMN, I.E., 1 IN MENTIONED CONDITIONS ARE THE NUMBER OF MENTIONS OF MALIGNANT NEOPLASMS.

TABLE C-8A (continued)
DEATHS BY UNDERLYING CAUSE AND MENTIONED CONDITIONS
1985

UNDERLYING CAUSE	TOTAL DEATHS	MENTIONED CONDITIONS														RATIO OF MENTIONS TO DEATHS
		1	2	3	4	5	6	7	8	9	10	11	12	13	TOTAL 1-13	
8. OTHER RESPIRATORY DISEASE (460-466, 470-478, 500-508, 510-519)	698	71	32	336	24	6	27	62	771	1	1	66	1	710	2,108	3.02
9. CHRONIC LIVER DISEASE & CIRRHOSIS (571)	758	38	29	153	2	3	34	23	37	773	1	25	0	1,143	2,261	2.98
10. MOTOR VEHICLE ACCIDENTS (810-825)	813	1	2	54	4	0	3	4	9	1	813	8	0	1,779	2,678	3.29
11. OTHER ACCIDENTS (800-809, 826-949)	1,064	36	35	315	33	17	47	33	62	18	1	1,115	1	2,164	3,877	3.64
12. SUICIDE AND HOMICIDE (950-969)	767	17	5	26	0	1	5	5	4	0	0	4	775	1,229	2,071	2.70
13. ALL OTHER CAUSES	7,978	427	387	3,423	493	206	682	259	542	99	1	498	1	16,824	23,842	2.99

TABLE C-8B
DEATHS DUE TO MALIGNANT NEOPLASMS BY UNDERLYING CAUSE AND MENTIONED CONDITIONS
1985

MENTIONED CONDITIONS	UNDERLYING CAUSE						
	TOTAL	DIGESTIVE ORGANS & PERITONEUM (150-159)	RESPIRATORY & INTRATHOR- ACIC ORGANS (160-165)	BONE, CON- NECTIVE TIS- SUE, SKIN & BREAST (170- 175)	GENITO- URINARY ORGANS (179-189)	LYMPHATIC & HAEMATO- POIETIC TISSUE (200-208)	ALL OTHER MALIGNANT NEOPLASMS
TOTAL MENTIONED COND.	31,023	8,274	7,774	3,847	4,437	2,800	3,891
MEAN NUMBER OF MENTIONED CONDITION PER RECORD	2.37	2.34	2.36	2.33	2.49	2.45	2.35
DEATHS	13,054	3,535	3,292	1,649	1,782	1,141	1,655
1. MALIGNANT NEO- PLASMS (140-209)	17,518	4,874	4,355	2,430	2,456	1,237	2,166
2. DIABETES MELLI- TUS (250)	408	125	98	44	60	30	51
3. DISEASES OF THE HEART (390-398, 402, 404-429)	3,432	870	801	368	557	365	471
4. CEREBROVASCULAR DISEASE (430-438)	295	76	64	29	41	48	37
5. ATHEROSCLEROSIS (440)	60	17	8	6	11	6	12
6. PNEUMONIA & INFLUENZA (480-487)	897	156	300	87	104	136	114
7. CHRONIC OBSTRU- CTIVE PULMONARY DIS- EASE (490-496)	578	89	332	23	54	28	52
8. OTHER RESPIRA- TORY DISEASE (460- 466, 470-478, 500- 508, 510-519)	473	93	165	59	40	52	64
9. CHRONIC LIVER DISEASE & CIRRHOSIS (571)	69	37	15	4	4	0	9
10. ACCIDENTS (E800-E949)	271	82	60	25	43	36	25
ALL OTHER CAUSES	7,022	1,855	1,576	772	1,067	862	890

TABLE C-9
ATHEROSCLEROSIS, HYPERTENSIVE DISEASE AND DIABETES--
UNDERLYING CAUSE AND MENTIONED CONDITIONS BY AGE GROUP AND SEX
1985

AGE	SEX	# OF DEATHS	ATHEROSCLEROSIS (440)			HYPERTENSIVE DISEASE (401-405)			DIABETES MELLITUS (250)		
			UNDER- LYING CAUSE	MEN- TIONED COND.	TOTAL % OF DEATHS	UNDER- LYING CAUSE	MEN- TIONED COND.	TOTAL % OF DEATHS	UNDER- LYING CAUSE	MEN- TIONED COND.	TOTAL % OF DEATHS
0-39	TOTAL	3,331	1	6	<u>7</u> 0.2	5	12	<u>17</u> 0.5	28	25	<u>53</u> 1.5
	MALE	2,247	1	5	<u>6</u> 0.3	3	9	<u>12</u> 0.5	17	17	<u>34</u> 1.5
	FEMALE	1,084	0	1	<u>1</u> 0.1	2	3	<u>5</u> 0.5	11	8	<u>19</u> 1.7
40-49	TOTAL	1,689	1	19	<u>20</u> 1.1	21	58	<u>79</u> 4.7	28	63	<u>91</u> 5.3
	MALE	1,089	1	15	<u>16</u> 1.5	16	39	<u>55</u> 5.1	18	36	<u>54</u> 4.9
	FEMALE	600	0	4	<u>4</u> 0.7	5	19	<u>24</u> 4.0	10	27	<u>37</u> 6.2
50-59	TOTAL	4,408	19	61	<u>80</u> 1.8	63	215	<u>278</u> 6.3	65	218	<u>283</u> 6.4
	MALE	2,749	13	46	<u>59</u> 2.1	48	145	<u>193</u> 7.0	39	127	<u>166</u> 6.0
	FEMALE	1,659	6	15	<u>21</u> 1.3	15	70	<u>85</u> 5.1	26	91	<u>117</u> 7.1
60-69	TOTAL	10,088	24	214	<u>238</u> 2.3	127	529	<u>656</u> 6.5	182	689	<u>871</u> 8.6
	MALE	6,005	13	145	<u>158</u> 2.6	77	302	<u>379</u> 6.3	83	395	<u>478</u> 7.9
	FEMALE	4,083	11	69	<u>80</u> 1.9	50	227	<u>277</u> 6.7	99	294	<u>393</u> 9.6

TABLE C-9 (continued)
ATHEROSCLEROSIS, HYPERTENSIVE DISEASE AND DIABETES—
UNDERLYING CAUSE AND MENTIONED CONDITIONS BY AGE GROUP AND SEX
1985

AGE	SEX	# OF DEATHS	ATHEROSCLEROSIS (440)			HYPERTENSIVE DISEASE (401-405)			DIABETES MELLITUS (250)		
			UNDER- LYING CAUSE	MEN- TIONED COND.	TOTAL % OF DEATHS	UNDER- LYING CAUSE	MEN- TIONED COND.	TOTAL % OF DEATHS	UNDER- LYING CAUSE	MEN- TIONED COND.	TOTAL % OF DEATHS
70-79	TOTAL	14,767	95	504	<u>599</u> 4.1	193	875	<u>1,068</u> 7.2	271	1,141	<u>1,412</u> 9.5
	MALE	7,823	48	274	<u>322</u> 4.1	84	383	<u>467</u> 5.9	110	544	<u>654</u> 8.3
	FEMALE	6,944	47	230	<u>277</u> 3.9	109	492	<u>601</u> 8.7	161	597	<u>758</u> 10.9
80 & OVER	TOTAL	21,302	459	1,220	<u>1,679</u> 7.9	331	1,087	<u>1,418</u> 6.7	358	1,207	<u>1,565</u> 7.3
	MALE	7,310	117	337	<u>454</u> 6.2	68	264	<u>332</u> 4.5	102	379	<u>481</u> 6.5
	FEMALE	13,992	342	883	<u>1,225</u> 8.7	263	823	<u>1,086</u> 7.7	256	828	<u>1,084</u> 7.7
GRAND	TOTAL*	55,590	599	2,024	<u>2,623</u> 4.7	740	2,776	<u>3,516</u> 6.3	932	3,343	<u>4,275</u> 7.7
TOTAL	MALE	27,227	193	822	<u>1,015</u> 3.7	296	1,142	<u>1,438</u> 5.3	369	1,498	<u>1,867</u> 6.9
TOTAL	FEMALE	28,363	406	1,202	<u>1,608</u> 5.7	444	1,634	<u>2,078</u> 7.3	563	1,845	<u>2,408</u> 8.5

*TOTAL INCLUDES ONE INFANT DEATH OF UNKNOWN SEX AND FIVE DEATHS OF UNKNOWN AGE.

TABLE C-10
SUICIDES BY CAUSE, SEX AND AGE, MASSACHUSETTS RESIDENTS
1985

		TOTAL	10-14	15-19	20-29	30-39	40-49	50-59	60-69	70-79	80+
ALL SUICIDES	M	425	4	36	131	86	47	44	39	23	15
	F	122	2	9	25	22	19	21	15	8	1
	T	547	6	45	156	108	66	65	54	31	16
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
POISONING BY SOLID OR LIQUID SUBSTANCE (E950)	M	28	1	3	9	5	5	2	3	0	0
	F	50	1	1	8	10	6	10	11	2	1
	T	78	2	4	17	15	11	12	14	2	1
	%	14.2	33.3	8.9	10.9	13.9	16.7	18.5	25.9	6.5	6.2
POISONING BY GASES IN DOMES- TIC USE (E951)	M	2	0	2	0	0	0	0	0	0	0
	F	0	0	0	0	0	0	0	0	0	0
	T	2	0	2	0	0	0	0	0	0	0
	%	.4	-	4.4	-	-	-	-	-	-	-
POISONING BY GASES AND VAPORS (NOT DOMESTIC GAS) (E952)	M	62	0	7	20	16	5	3	7	4	0
	F	12	0	0	3	3	1	3	1	1	0
	T	74	0	7	23	19	6	6	8	5	0
	%	13.5	-	15.6	14.7	17.6	9.1	9.3	14.8	16.1	-
HANGING, STRAN- GULATION AND SUFFOCATION (E953)	M	144	2	9	41	34	13	24	14	5	2
	F	27	0	4	4	3	5	5	2	4	0
	T	171	2	13	45	37	18	29	16	9	2
	%	31.3	33.3	28.9	28.9	34.2	27.3	44.6	29.6	29.0	12.5
SUBMERSION (DROWNING) (E954)	M	12	0	0	2	1	3	1	1	2	2
	F	0	0	0	0	0	0	0	0	0	0
	T	12	0	0	2	1	3	1	1	2	2
	%	2.2	-	-	1.3	.9	4.5	1.5	1.9	6.5	12.5
FIREARMS AND EXPLOSIVES (E955)	M	143	1	15	47	24	18	10	12	10	6
	F	22	1	3	9	4	5	0	0	0	0
	T	165	2	18	56	28	23	10	12	10	6
	%	30.2	33.3	40.0	35.9	25.9	34.9	15.4	22.2	32.2	37.5
CUTTING AND PIERCING INSTRUMENTS (E956)	M	9	0	0	3	2	0	2	1	0	1
	F	1	0	0	0	0	0	1	0	0	0
	T	10	0	0	3	2	0	3	1	0	1
	%	1.8	-	-	1.9	1.9	-	4.6	1.9	-	6.2
JUMPING FROM HIGH PLACES (E957)	M	21	0	0	8	3	2	1	1	2	4
	F	5	0	0	0	1	0	2	1	1	0
	T	26	0	0	8	4	2	3	2	3	4
	%	4.8	-	-	5.1	3.7	3.0	4.6	3.7	9.7	25.0
OTHER AND UNSPECIFIED MEANS (E958)	M	4	0	0	1	1	1	1	0	0	0
	F	4	0	0	1	1	2	0	0	0	0
	T	8	0	0	2	2	3	1	0	0	0
	%	1.5	-	-	1.3	1.9	4.5	1.5	-	-	-
LATE EFFECTS OF SELF INFLICTED INJURY (E959)	M	0	0	0	0	0	0	0	0	0	0
	F	1	0	1	0	0	0	0	0	0	0
	T	1	0	1	0	0	0	0	0	0	0
	%	.1	-	2.2	-	-	-	-	-	-	-

TABLE C-11
MOTOR VEHICLE ACCIDENTS BY TYPE, MASSACHUSETTS RESIDENTS
1985

		- VICTIM -							
TYPE OF ACCIDENT		TOTAL	DRIVER	PASSENGER	MOTORCYCLIST	PASSENGER, MOTORCYCLE	PEDESTRIAN	PEDAL CYCLIST	OTHER & UNSPEC- IFIED
TOTAL	M	588	243	106	73	6	102	8	50
	F	219	74	57	1	3	62	4	18
	T	807	317	163	74	9	164	12	68
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
COLLISION WITH ANOTHER MOTOR VEHICLE (E812)	M	221	115	47	46	4			9
	F	83	43	33	0	1			6
	T	304	158	80	46	5			15
	%	37.7	49.8	49.1	62.1	55.6			22.1
COLLISION WITH ANOTHER VEHICLE (E813)	M	8	0		0			8	
	F	6	1		1			4	
	T	14	1		1			12	
	%	1.7	.3		1.4			100.0	
MOTOR VEHICLE WITH PEDESTRIAN (E814)	M	100					100		
	F	62					62		
	T	162					162		
	%	20.1					98.8		
OTHER MOTOR VEHICLE ACCIDENT HIGHWAY COLLISION (E815)	M	161	92	37	17	1			14
	F	41	26	13	0	1			1
	T	202	118	50	17	2			15
	%	25.0	37.2	30.7	23.0	22.2			22.1
LOST CONTROL WITHOUT COLLISION (E816)	M	53	28	12	9	1			3
	F	6	2	3	0	0			1
	T	59	30	15	9	1			4
	%	7.3	9.5	9.2	12.1	11.1			5.9
OTHER NON-COLLI- SION MOTOR VEHI- CLE (E818)	M	12	4	3	1	0	1		3
	F	8	1	6	0	1	0		0
	T	20	5	9	1	1	1		3
	%	2.5	1.6	5.5	1.4	11.1	.6		4.4

TABLE C-11 (continued)
MOTOR VEHICLE ACCIDENTS BY TYPE, MASSACHUSETTS RESIDENTS
1985

		- VICTIM -							
TYPE OF ACCIDENT		TOTAL	DRIVER	PASSENGER	MOTORCYCLIST	PASSENGER, MOTORCYCLE	PEDESTRIAN	PEDAL CYCLIST	OTHER & UNSPEC- IFIED
MOTOR VEHICLE OF	M	26	3	7					16
UNSPECIFIED	F	13	1	2					10
NATURE (E819)	T	39	4	9					26
	%	4.8	1.3	5.5					38.2
NONTRAFFIC	M	3	1						2
MOTOR DRIVEN	F	0	0						0
SNOW VEHICLE	T	3	1						2
(E820)	%	.4	.3						2.9
OTHER MOTOR VE-	M	1					1		
HICLE NONTRAFFIC	F	0					0		
COLLISION WITH	T	1					1		
MOVING OBJECT	%	.1					.6		
(E822)									
OTHER MOTOR VE-	M	3							3
HICLE NONTRAFFIC	F	0							0
OTHER & UNSPECI-	T	3							3
FIED NATURE	%	.4							4.4
(E825)									

TABLE C-12
MEDICAL EXAMINER CERTIFIED DEATHS BY CAUSE, SEX, RACE AND AGE, MASSACHUSETTS OCCURRENCE
1985

AGE	RACE/SEX	- CAUSE -							
		TOTAL DEATHS CERT. BY M.E.	MOTOR VEHICLE ACCIDENTS (810-823)	ALL OTHER ACCIDENTS (800-807, 825-949)	SUICIDE (950-959)	HOMICIDE (960-969)	LGL INTER- VENTION/ UNDET. INJURY (970-999)	NON-VIOLENT CAUSES (000-778)	ILL-DEF. AND UNK. CAUSES (780-796)
TOTAL	WHITE M	7,251	524	428	398	104	84	5,613	100
	WHITE F	4,719	197	249	112	37	30	4,035	59
	NON-W M	396	33	34	10	51	18	230	20
	NON-W F	239	6	12	5	21	4	182	9
	TOTAL*	12,606	760	723	525	213	136	10,060	189
<1	WHITE M	68	1	5	0	3	0	16	43
	WHITE F	45	1	4	0	0	0	18	22
	NON-W M	16	0	1	0	1	0	3	11
	NON-W F	16	0	1	0	2	0	6	7
	TOTAL	146	2	11	0	6	0	43	84
1-4	WHITE M	27	5	10	0	0	0	7	5
	WHITE F	22	5	7	0	0	0	8	2
	NON-W M	8	1	5	0	1	0	1	0
	NON-W F	6	0	3	0	1	0	1	1
	TOTAL	63	11	25	0	2	0	17	8
5-9	WHITE M	21	10	6	0	0	0	5	0
	WHITE F	10	5	2	0	0	0	3	0
	NON-W M	5	2	3	0	0	0	0	0
	NON-W F	2	0	0	0	0	0	2	0
	TOTAL	38	17	11	0	0	0	10	0
10-14	WHITE M	29	14	7	3	2	0	2	1
	WHITE F	20	10	5	2	1	1	1	0
	NON-W M	2	1	1	0	0	0	0	0
	NON-W F	1	0	0	0	1	0	0	0
	TOTAL	52	25	13	5	4	1	3	1
15-19	WHITE M	186	107	23	35	4	2	13	2
	WHITE F	53	28	0	9	4	4	6	2
	NON-W M	18	4	1	0	8	0	4	1
	NON-W F	5	0	0	0	3	0	2	0
	TOTAL	262	139	24	44	19	6	25	5
20-29	WHITE M	497	172	76	120	39	28	53	9
	WHITE F	115	38	17	22	5	8	24	1
	NON-W M	42	8	3	4	19	4	3	1
	NON-W F	19	1	3	1	6	1	6	1
	TOTAL	673	219	99	147	69	41	86	12
30-39	WHITE M	430	69	67	78	28	37	139	12
	WHITE F	132	12	14	18	10	5	64	9
	NON-W M	51	11	3	4	10	6	15	2
	NON-W F	25	0	2	1	5	2	15	0
	TOTAL	638	92	86	101	53	50	233	23
40-44	WHITE M	238	20	24	28	7	4	148	7
	WHITE F	74	9	3	10	3	0	45	4
	NON-W M	25	2	1	0	4	2	16	0
	NON-W F	9	1	0	3	1	1	3	0
	TOTAL	346	32	28	41	15	7	212	11
45-49	WHITE M	263	15	14	16	8	2	206	2
	WHITE F	92	4	6	8	1	2	70	1
	NON-W M	33	0	3	1	4	0	24	1
	NON-W F	9	1	0	0	0	0	8	0
	TOTAL	397	20	23	25	13	4	308	4

TABLE C-12 (continued)
MEDICAL EXAMINER CERTIFIED DEATHS BY CAUSE, SEX, RACE AND AGE, MASSACHUSETTS OCCURRENCE
1985

AGE	RACE/SEX	- CAUSE -							
		TOTAL DEATHS CERT. BY M.E.	MOTOR VEHICLE ACCIDENTS (810-823)	ALL OTHER ACCIDENTS (800-807, 825-949)	SUICIDE (950-959)	HOMICIDE (960-969)	LGL INTER- VENTION/ UNDET. INJURY (970-999)	NON-VIOLENT CAUSES (000-778)	ILL-DEF. AND UNK. CAUSES (780-796)
50-54	WHITE M	386	12	19	21	3	2	325	4
	WHITE F	118	8	3	8	0	2	95	2
	NON-W M	25	0	2	1	0	3	17	2
	NON-W F	13	0	0	0	1	0	12	0
	TOTAL	542	20	24	30	4	7	449	8
55-59	WHITE M	623	24	13	22	5	3	553	3
	WHITE F	224	6	11	12	1	1	190	3
	NON-W M	40	1	2	0	3	0	34	0
	NON-W F	14	0	0	0	1	0	13	0
	TOTAL	901	31	26	34	10	4	790	6
60-64	WHITE M	773	17	26	20	1	2	705	2
	WHITE F	352	18	11	10	2	1	309	1
	NON-W M	36	1	3	0	0	1	29	2
	NON-W F	23	1	1	0	0	0	21	0
	TOTAL	1,184	37	41	30	3	4	1,064	5
65-69	WHITE M	882	9	23	19	0	0	828	3
	WHITE F	488	10	20	4	1	1	450	2
	NON-W M	37	1	1	0	0	1	34	0
	NON-W F	18	0	0	0	0	0	18	0
	TOTAL	1,425	20	44	23	1	2	1,330	5
70-74	WHITE M	919	14	23	16	1	1	862	2
	WHITE F	586	17	12	5	2	3	545	2
	NON-W M	20	0	0	0	1	0	19	0
	NON-W F	16	1	0	0	0	0	15	0
	TOTAL	1,541	32	35	21	4	4	1,441	4
75-79	WHITE M	788	11	33	6	3	1	731	3
	WHITE F	696	11	30	2	3	0	648	2
	NON-W M	7	0	1	0	0	0	6	0
	NON-W F	26	0	1	0	0	0	25	0
	TOTAL	1,517	22	65	8	6	1	1,410	5
80+	WHITE M	1,119	23	59	14	0	2	1,019	2
	WHITE F	1,691	15	104	2	4	2	1,558	6
	NON-W M	30	1	4	0	0	0	25	0
	NON-W F	37	1	1	0	0	0	35	0
	TOTAL	2,877	40	168	16	4	4	2,637	8
UNKWN	WHITE M	2	1	0	0	0	0	1	0
	WHITE F	1	0	0	0	0	0	1	0
	NON-W M	1	0	0	0	0	1	0	0
	NON-W F	0	0	0	0	0	0	0	0
	TOTAL	4	1	0	0	0	1	2	0

*TOTAL INCLUDES ONE MALE OF UNKNOWN RACE.

TABLE C-13
MEDICAL EXAMINER CERTIFIED DEATHS BY COUNTY
1985

COUNTY	POPULATION NUMBER/ PERCENT/ RANK	OCCURRENCE DEATHS NUMBER/ PERCENT/ RANK	MEDICAL EXAMINER NUMBER/ PERCENT/ RANK	% OF OCCURRENCE DEATHS	REFERRED BUT NOT CERTIFIED BY MED. EXAMINER	NONVIOLENT DEATHS CERTIFIED BY MED. EXAMINER	% OF MEDICAL EXAMINER DEATHS NON- VIOLENT
BARNSTABLE	167,947 2.9 9	1,971 3.5 9	583 4.6 9	29.6	57	491	84.2
BERKSHIRE	141,867 2.4 11	1,527 2.7 10	218 1.7 10	14.3	161	151	69.3
BRISTOL	481,432 8.3 6	4,283 7.6 7	1,272 10.1 4	29.7	117	1,093	85.9
DUKES	10,338 0.2 13	80 0.1 13	20 0.2 13	25.0	0	16	80.0
ESSEX	645,721 11.1 4	5,998 10.7 4	1,517 12.0 3	25.3	93	1,274	84.0
FRANKLIN	65,367 1.1 12	519 0.9 12	111 0.9 12	21.4	24	76	68.5
HAMPDEN	441,333 7.6 7	4,758 8.5 6	980 7.8 8	20.6	457	762	77.8
HAMPSHIRE	143,265 2.5 10	864 1.6 11	163 1.3 11	18.9	102	119	73.0

TABLE C-13 (continued)
MEDICAL EXAMINER CERTIFIED DEATHS BY COUNTY
1985

COUNTY	POPULATION NUMBER/ PERCENT/ RANK	OCCURRENCE DEATHS NUMBER/ PERCENT/ RANK	MEDICAL EXAMINER NUMBER/ PERCENT/ RANK	% OF OCCURRENCE DEATHS	REFERRED BUT NOT CERTIFIED BY MED. EXAMINER	NONVIOLENT DEATHS CERTIFIED BY MED. EXAMINER	% OF MEDICAL EXAMINER DEATHS NON- VIOLENT
MIDDLESEX	1,369,159 23.5 1	11,550 20.6 1	2,971 23.6 1	25.7	667	2,549	85.8
NANTUCKET	5,961 0.1 14	67 0.1 14	7 0.1 14	10.4	3	3	42.8
NORFOLK	604,146 10.4 5	4,854 8.6 5	1,011 8.0 7	20.8	300	800	79.1
PLYMOUTH	426,062 7.3 8	3,129 5.6 8	1,024 8.1 6	32.7	162	840	82.0
SUFFOLK	658,729 11.3 3	10,188 18.1 2	1,652 13.1 2	16.2	1,396	1,144	69.2
WORCESTER	660,673 11.3 2	6,410 11.4 3	1,077 8.5 5	16.8	706	742	69.0
TOTAL	5,822,000 100.0 NA	56,198	12,606	22.4	4,245	10,060	79.8

TABLE C-14A
SELECTED CAUSES OF DEATH BY CITY AND TOWN OF RESIDENCE
1985

	HEART DISEASES (390-399, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
ABINGTON	50	33	8	2	2	4	6	1	2	1	1	16	126
ACTON	29	23	5	4	6	2	4	0	0	2	1	19	95
ACUSHNET	24	30	2	1	1	2	2	2	2	1	1	12	80
ADAMS	35	32	7	6	1	1	4	2	3	2	0	18	111
AGAWAM	91	53	11	2	8	12	6	6	2	7	3	35	236
ALFORD	3	0	0	0	0	0	0	0	0	0	0	2	5
AMESBURY	69	24	10	3	2	7	4	1	5	1	1	17	144
AMHERST	34	28	9	2	1	6	5	0	1	1	1	15	103
ANDOVER	81	45	10	4	5	13	8	3	3	10	1	31	214
ARLINGTON	193	135	50	5	14	27	19	5	6	4	2	89	549
ASHBURNHAM	16	4	2	1	0	2	4	1	2	0	0	10	42
ASHBY	7	6	2	0	0	1	1	0	0	0	0	4	21
ASHFIELD	2	4	1	0	0	1	1	0	0	1	0	4	14
ASHLAND	23	14	3	0	1	5	2	1	0	1	1	7	58
ATHOL	48	29	6	3	1	6	6	4	0	2	1	18	124
ATTLEBORO	111	73	27	3	12	13	13	7	3	2	3	44	311
AUBURN	54	37	7	4	0	6	4	4	3	3	2	26	150
AVON	18	10	1	2	1	2	1	0	3	0	0	6	44
AYER	15	14	6	5	3	3	9	0	2	1	1	9	68
BARNSTABLE	155	92	33	4	14	21	20	7	4	7	5	75	435
BARRE	17	4	3	2	1	0	0	0	1	0	1	7	36
BECKET	3	2	2	3	0	3	0	0	0	0	0	1	14
BEDFORD	44	14	11	1	1	4	5	3	0	1	0	21	105
BELCHERTOWN	25	12	0	3	1	3	2	2	0	1	0	6	55
BELLINGHAM	29	20	6	1	2	2	2	3	1	0	2	11	79
BELMONT	108	67	19	7	7	16	15	8	5	6	4	54	316
BERKLEY	6	7	2	0	1	0	1	1	0	0	0	1	19
BERLIN	2	1	1	0	0	0	1	0	0	1	0	0	6
BERNHARDSTON	9	3	2	0	1	0	0	0	0	0	0	2	17
BEVERLY	118	88	28	4	12	18	13	10	7	8	2	54	362
BILLERICA	80	53	18	5	1	7	5	4	3	3	4	32	215
BLACKSTONE	29	13	7	0	0	0	0	1	1	0	2	6	59
BLANDFORD	3	2	0	3	0	0	0	0	0	0	0	2	10
BOLTON	4	1	0	0	0	0	0	0	0	0	0	2	7
BOSTON	2041	1325	320	67	116	270	156	83	95	27	60	1200	5760
DOURNE	54	33	15	3	7	9	6	1	5	1	3	17	154
DOXBOROUGH	3	4	0	0	1	1	1	1	0	0	0	3	14
DOXFORD	8	2	3	1	0	1	0	0	1	2	1	0	19
BOYLSTON	15	9	3	1	0	2	1	0	2	0	0	8	41
BRAINTREE	176	86	42	8	5	11	12	3	5	3	3	56	410

BREWSTER	26	23	5	2	0	0	0	2	0	2	2	5	67
BRIDGEWATER	36	30	7	1	1	6	3	1	3	2	1	18	109
BRIMFIELD	5	7	3	0	0	0	1	1	1	0	0	3	21
BROCKTON	351	207	71	10	29	51	33	12	10	4	6	146	930
BROOKFIELD	7	11	1	0	1	0	4	0	0	0	1	1	26
BROOKLINE	209	153	29	4	13	21	13	6	2	1	3	99	553
BUCKLAND	6	4	1	1	1	0	1	1	0	0	0	3	18
BURLINGTON	42	39	14	3	3	4	8	1	1	2	1	22	140
CAMBRIDGE	250	190	28	4	20	55	33	30	15	8	11	158	802
CANTON	53	36	13	0	3	9	2	0	4	1	2	20	143
CARLISLE	2	5	2	2	0	0	1	0	0	0	0	4	16
CARVER	29	15	4	4	3	4	4	3	1	0	1	8	76
CHARLEMONT	4	1	1	0	0	1	0	0	1	0	1	1	10
CHARLTON	34	11	4	1	2	3	4	1	0	1	0	6	67
CHATHAM	37	31	12	0	2	1	3	4	0	3	0	12	105
CHELMSFORD	81	64	21	8	3	6	7	6	3	1	1	32	233
CHELSEA	136	70	17	1	7	14	12	11	9	2	6	56	341
CHESHIRE	9	7	3	0	0	0	0	1	0	0	0	4	24
CHESTER	4	5	0	1	0	0	0	0	0	0	0	2	12
CHESTERFIELD	0	1	0	0	0	0	0	0	0	0	0	3	4
CHICOPEE	239	159	43	6	12	21	19	10	4	6	6	98	623
CHILMARK	0	0	0	0	0	0	0	0	0	1	0	2	3
CLARKSBURG	3	3	0	0	1	0	1	1	0	0	1	5	15
CLINTON	55	30	4	5	2	3	4	3	3	0	0	39	148
COHASSET	24	20	7	4	1	1	0	0	0	0	3	12	72
COLRAIN	4	8	0	0	0	1	1	0	0	0	0	2	16
CONCORD	45	33	17	4	3	9	4	2	0	3	0	29	149
CONWAY	3	3	0	1	0	0	1	0	0	0	0	0	8
CUMMINGTON	2	1	0	0	0	0	0	0	0	0	0	0	3
DALTON	23	13	4	0	1	0	4	1	1	2	0	12	61
DANVERS	100	49	24	4	5	13	11	2	0	0	2	29	239
DARTMOUTH	90	54	20	3	0	17	4	3	2	3	3	27	226
DEDHAM	96	74	13	5	5	13	6	4	1	1	2	40	260
DEERFIELD	9	5	2	2	1	2	1	0	1	0	0	4	27
DENNIS	54	52	17	3	1	5	7	5	3	6	1	26	180
DIGHTON	13	14	4	1	0	2	1	2	1	0	0	3	41
DOUGLAS	15	9	0	0	0	0	0	0	2	0	2	8	36
DOVER	15	4	1	1	2	1	0	1	0	1	1	4	31
DRACUT	71	35	7	3	1	3	6	6	3	4	2	22	163
DUDLEY	35	13	7	0	2	2	2	2	0	1	0	15	79
DUNSTABLE	0	4	0	0	0	1	0	0	1	0	0	1	7
DUNBURY	32	27	6	5	1	3	5	2	3	1	1	17	103
EAST BRIDGEWATER	20	19	5	0	4	0	0	0	0	1	3	11	63
EAST BROOKFIELD	8	3	1	2	0	0	1	0	0	0	0	4	19
EAST LONGMEADOW	41	25	10	3	2	6	6	3	1	0	0	23	120
EASTHAM	9	15	2	0	1	2	2	2	0	0	2	12	47
EASTHAMPTON	65	35	13	1	1	5	5	0	1	0	2	21	149
EASTON	44	31	9	5	1	2	4	1	0	1	1	21	120
EDGARTOWN	3	6	3	1	1	0	1	0	0	0	0	4	19
EGREMONT	2	2	1	1	0	0	0	0	0	1	0	3	10

TABLE C-14A (CONTINUED)
SELECTED CAUSES OF DEATH BY CITY AND TOWN OF RESIDENCE
1985

	HEART DISEASES (390-399, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
ERVING	4	1	0	0	0	1	0	0	0	0	0	0	6
ESSEX	6	10	0	0	1	0	1	0	1	0	1	4	24
EVERETT	176	112	18	3	7	20	19	6	10	1	1	84	457
FAIRHAVEN	79	51	15	0	2	8	10	3	0	1	2	16	187
FALL RIVER	464	266	118	6	21	20	23	22	17	24	10	136	1127
FALMOUTH	115	78	27	8	5	19	8	7	7	1	2	45	322
FITCHBURG	106	84	38	5	6	10	14	9	2	10	4	73	441
FLORIDA	0	5	0	0	0	0	0	0	0	0	1	1	7
FOXBOROUGH	39	28	5	5	3	8	1	1	1	0	0	17	108
FRAMINGHAM	183	137	37	11	18	30	12	5	6	1	4	91	535
FRANKLIN	45	34	7	3	7	3	6	1	3	0	0	21	130
FREETOWN	17	10	6	1	2	1	2	0	0	2	0	4	45
GARDNER	76	52	10	8	3	7	6	8	2	2	4	41	219
GAY HEAD	0	0	0	0	1	0	0	0	0	0	0	2	3
GEORGETOWN	13	7	1	0	0	0	1	0	0	2	1	7	32
GILL	1	4	0	3	0	0	0	0	0	1	1	4	14
GLOUCESTER	93	69	13	2	9	10	7	3	2	5	2	53	268
GOSHEN	1	1	0	0	0	0	1	0	0	0	0	0	3
GOSHOLD	0	0	0	0	0	0	0	0	0	0	0	0	0
GRAFTON	38	27	5	3	2	5	1	0	3	0	3	14	101
GRAINY	14	9	1	2	0	1	2	0	1	1	0	4	35
GRAINVILLE	4	1	1	1	0	0	0	0	0	0	1	0	8
GREAT BARRINGTON	38	17	11	2	4	4	6	2	0	4	1	16	105
GREENFIELD	87	39	14	6	2	14	10	1	1	3	4	33	214
GROTON	19	10	4	1	1	2	2	0	0	0	1	10	50
GROVELAND	10	4	0	2	1	2	1	0	0	2	0	4	26
HADLEY	10	16	5	0	1	3	1	2	0	0	1	2	41
HALIFAX	20	17	3	1	1	1	2	2	1	0	0	13	61
HAMILTON	19	10	1	0	0	2	0	1	0	0	0	10	43
HAMPDEN	9	8	3	0	1	2	1	0	0	0	0	5	29
HANCOCK	1	0	0	0	0	0	0	0	0	0	0	2	3
HANOVER	20	20	3	0	4	0	4	3	1	2	1	8	66
HANSON	14	16	6	0	1	1	3	1	0	0	1	11	54
HARDWICK	13	7	0	1	1	2	0	0	0	0	0	4	28
HARVARD	7	5	0	1	1	0	0	0	0	0	0	3	17
HARWICH	53	31	9	2	0	3	7	5	3	8	0	22	143
HATFIELD	21	3	1	0	1	1	2	0	0	0	0	3	32
HAVERHILL	238	141	36	11	7	21	16	4	6	23	6	85	594
HAWLEY	1	0	0	0	0	0	0	0	0	0	0	0	1
HEATH	1	3	0	1	0	0	0	0	0	0	0	1	6

HINGHAM	52	27	13	2	2	6	3	4	3	0	0	17	129
HINGSDALE	11	3	1	0	0	0	0	2	0	1	0	5	23
HOLBROOK	45	12	9	5	3	3	3	1	2	1	1	14	99
HOLDEN	28	25	4	2	2	4	3	1	3	0	0	25	97
HOLLAND	3	2	0	0	0	0	0	0	0	0	0	1	6
HOLLISTON	28	22	2	2	1	0	4	1	0	0	1	17	78
HOLYOKE	235	117	51	3	10	34	29	9	10	8	1	87	594
HOPEDALE	28	9	2	1	0	4	0	0	0	0	3	11	58
HOPKINTON	12	10	5	2	0	3	2	2	2	0	0	6	44
HUBBARDSTON	6	1	1	1	1	1	1	0	1	0	0	2	15
HUDSON	43	31	3	1	1	3	2	2	2	3	0	13	104
HULL	32	26	4	1	2	2	2	2	2	0	3	17	93
HUNTINGTON	8	2	0	0	1	0	0	1	1	0	0	1	14
IPSWICH	33	33	3	0	4	3	1	2	3	1	3	10	96
KINGSTON	34	16	4	2	1	1	1	1	1	0	1	5	67
LAKEVILLE	26	15	1	3	2	1	0	1	1	1	1	7	59
LANCASTER	13	11	3	0	0	5	1	1	3	0	0	7	44
LANESBOROUGH	6	5	3	0	1	0	3	1	0	0	1	2	22
LAWRENCE	300	121	49	12	14	22	26	23	14	10	11	110	712
LEE	21	26	2	1	1	4	1	0	0	1	0	11	68
LEICESTER	31	22	6	3	1	2	2	2	0	0	1	14	84
LENOX	24	13	3	0	3	2	2	1	0	0	0	9	57
LEOMINSTER	128	62	17	5	6	8	9	7	6	2	6	45	301
LEVERETT	2	3	0	0	0	0	0	0	0	0	0	3	8
LEXINGTON	86	53	12	6	6	12	13	3	5	1	0	52	249
LEYDEN	0	0	1	0	0	0	0	0	0	1	0	0	2
LINCOLN	15	7	3	1	1	3	1	0	0	0	0	6	37
LITTLETON	18	13	5	2	1	3	2	0	1	0	0	8	53
LONGMEADOW	61	26	17	1	1	3	4	2	1	4	0	21	141
LOWELL	420	234	66	16	21	33	48	31	15	27	14	179	1104
LUDLOW	61	30	12	9	5	4	7	0	1	6	0	19	154
LUNENBURG	22	15	4	1	0	3	1	1	2	1	1	16	67
LYNN	369	183	74	7	24	42	43	14	16	9	12	151	944
LYNNFIELD	30	23	4	1	0	3	1	2	0	0	2	12	78
MALDEN	270	147	40	4	4	27	32	9	5	9	5	91	643
MANCHESTER	14	17	5	0	3	2	3	2	0	0	0	9	82
MANSFIELD	33	18	4	2	3	2	6	1	2	2	0	14	165
MARBLEHEAD	55	59	14	0	1	8	4	2	4	3	1	3	39
MARION	16	12	4	1	0	1	2	0	0	0	0	53	316
MARLBOROUGH	126	62	18	6	7	11	14	4	9	1	5	16	137
MARSHFIELD	66	28	11	3	2	3	2	2	0	1	3	11	49
MASHPEE	13	14	6	0	1	1	0	1	1	1	0	5	53
MATTAPOISETT	16	20	7	1	1	1	0	0	2	0	0	19	101
MAYHARD	34	27	9	2	4	0	4	1	1	0	0	9	61
MEDFIELD	23	14	7	2	0	1	3	0	1	0	1	9	619
MEDFORD	254	159	32	6	13	19	26	7	7	3	2	16	79
MEDWAY	30	13	4	1	0	3	6	2	1	2	2	32	290
MELROSE	125	72	29	3	6	8	10	1	2	0	1	3	32
MENDEN	16	5	3	1	0	1	1	0	0	1	1	6	26
MERRIMAC	13	3	2	1	0	1	0	0	0	0	0	2	26

TABLE C-14A (CONTINUED)
SELECTED CAUSES OF DEATH BY CITY AND TOWN OF RESIDENCE
1985

	HEART DISEASES (390-398, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-436)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
METHUEN	162	103	21	10	10	19	9	9	8	4	3	56	414
MIDDLEBOROUGH	52	35	9	2	3	2	3	2	1	3	0	19	131
MIDDLEFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0
MIDDLETON	15	16	0	0	1	0	3	0	0	0	0	1	36
MILFORD	71	41	10	2	4	4	5	2	0	0	4	42	185
MILLBURY	55	24	2	2	1	6	5	2	2	0	5	15	119
MILLIS	9	16	0	2	0	1	3	0	0	1	0	12	44
MILLVILLE	12	2	0	0	0	1	0	0	0	0	0	1	16
MILTON	114	63	27	6	1	9	7	5	6	1	3	52	294
MONROE	0	1	0	0	0	0	0	0	0	0	0	0	1
MONSON	16	14	3	3	0	4	1	2	0	0	0	9	52
MONTAGUE	31	23	10	1	2	3	1	2	2	1	2	15	93
MONTGOMERY	1	0	1	0	0	0	0	0	0	0	0	1	3
MONTGOMERY	0	0	0	0	0	0	0	0	0	0	0	0	0
MOUNT WASHINGTON	0	1	0	0	0	0	0	0	0	0	0	0	1
NAHANT	21	11	2	1	0	1	1	1	0	1	1	5	45
NAHTUCKET	19	19	5	3	0	4	4	1	1	1	0	12	69
NATICK	112	62	16	7	5	10	4	2	4	1	3	50	276
NEEDHAM	88	59	31	6	10	19	10	2	2	2	1	42	272
NEW ASHFORD	1	1	0	0	0	0	0	0	0	0	0	0	2
NEW BEDFORD	438	281	88	15	14	35	40	24	20	19	12	184	1170
NEW BRAINTREE	2	0	0	0	0	0	0	0	0	0	1	0	3
NEW MAPLEBOROUGH	3	3	1	0	0	0	1	0	0	1	1	0	10
NEW SALEM	3	1	1	0	0	0	0	0	0	0	1	1	7
NEWBURY	9	9	2	1	1	0	3	1	1	2	0	5	34
NEWBURYPORT	65	45	11	2	3	9	4	6	0	2	1	31	179
NEWTON	301	177	44	6	7	35	14	18	4	8	8	127	749
NORFOLK	17	11	3	1	0	4	1	0	0	0	0	9	46
NORTH ADAMS	66	53	21	1	3	8	6	1	4	2	1	22	188
NORTH ANDOVER	82	47	14	1	2	7	12	2	1	2	1	30	201
NORTH ATTLEBORO	52	29	10	4	4	11	7	5	3	3	2	27	157
NORTH BROOKFIELD	19	7	0	1	0	1	2	0	0	0	1	6	37
NORTH READING	18	21	3	2	0	1	1	0	1	1	2	9	59
NORTHAMPTON	98	59	23	5	5	17	12	8	2	2	2	49	282
NORTHBOROUGH	27	18	5	4	2	4	0	0	1	0	0	9	70
NORTHBRIDGE	37	24	11	1	0	1	5	1	0	2	0	18	100
NORTHFIELD	6	5	1	0	1	1	0	0	0	0	0	3	17
NORTON	31	19	5	5	0	3	5	2	2	2	4	14	92
NORWELL	26	12	5	2	1	5	1	2	2	0	0	5	61
NORWOOD	119	68	24	1	7	17	8	1	0	1	6	47	299

OAK BLUFFS	12	12	3	1	0	0	1	0	0	0	0	9	38
OAKHAM	2	1	1	0	0	0	0	0	0	0	0	0	4
ORANGE	20	15	8	1	0	1	5	1	0	2	0	13	66
ORLEANS	24	24	10	1	0	0	7	0	0	2	1	14	83
OTIS	2	1	0	0	0	0	0	1	1	0	0	0	5
OXFORD	29	20	2	1	0	3	2	2	6	1	2	14	82
PALMER	46	34	12	2	3	1	4	2	2	0	2	30	138
PAXTON	10	7	0	0	0	1	1	0	0	0	1	4	24
PEABODY	173	88	26	4	1	16	8	2	5	2	2	53	380
PELHAM	2	1	0	0	0	0	0	0	1	0	0	1	5
PEMERROKE	37	17	6	4	1	1	3	0	6	1	0	11	87
PEPPEPELL	21	10	2	2	3	1	2	3	0	0	1	5	50
PEPU	1	3	0	0	1	0	0	0	0	0	0	0	5
PETERSHAM	3	1	1	1	0	0	0	0	0	0	0	2	8
PHILLIPSTON	1	3	0	0	1	0	0	1	0	0	1	2	9
PITTSFIELD	212	127	31	10	12	24	30	9	8	3	3	25	554
PLAINFIELD	1	1	1	0	0	0	0	0	0	0	0	1	4
PLAINVILLE	14	8	4	1	1	1	2	0	0	0	0	9	40
PLYMOUTH	158	80	15	5	13	16	1	5	4	2	4	59	362
PLYMPTON	1	1	2	0	1	1	2	0	0	0	0	1	9
PRINCETON	7	6	0	0	1	1	2	0	0	0	0	1	18
PROVINCETOWN	23	8	3	1	4	2	4	1	0	1	1	3	51
QUINCY	393	277	98	9	16	34	36	12	9	3	8	147	1042
RANDOLPH	117	69	15	5	3	11	5	2	3	1	0	39	270
RAINHAM	17	11	6	0	1	3	2	0	1	1	0	5	47
READING	65	51	7	1	4	2	7	5	2	4	1	19	168
REHOBOTH	15	11	7	0	0	1	2	1	1	1	1	7	47
REVERE	193	103	19	9	7	14	7	7	9	2	5	60	435
RICHMOND	1	3	1	0	1	1	0	0	0	0	0	1	8
ROCHESTER	5	5	3	1	0	2	2	1	0	0	0	2	21
ROCKLAND	42	25	12	3	5	8	5	3	0	3	1	16	123
ROCKPORT	29	23	2	0	2	8	1	1	2	2	1	12	83
ROWE	1	1	0	0	0	0	0	1	0	0	0	0	3
ROWLEY	9	7	1	1	0	0	1	0	1	0	0	6	26
ROYALSTON	1	3	1	0	0	0	0	2	0	0	0	1	8
RUSSELL	7	7	1	0	1	0	0	0	1	0	0	1	18
RUTLAND	7	5	0	2	1	2	0	0	0	0	0	4	21
SALEM	170	95	24	3	5	19	11	7	5	2	4	59	404
SALISBURY	20	15	4	2	3	2	1	0	0	0	0	8	55
SANDISFIELD	0	1	1	0	0	0	0	0	0	1	0	0	3
SANDWICH	31	21	7	2	3	5	2	1	1	3	1	20	97
SAUGUS	102	57	15	3	3	11	6	5	3	2	1	28	236
SAVOY	2	0	0	0	0	0	0	0	0	0	1	1	4
SCITUATE	59	37	10	2	5	6	9	3	4	1	1	17	154
SEEKONK	20	18	8	2	2	3	5	2	1	2	0	17	80
SHARON	40	35	6	2	3	3	0	1	1	2	0	16	109
SHEFFIELD	10	5	2	1	0	1	1	0	0	0	0	5	25
SHELBURNE	4	12	1	0	0	1	0	1	0	0	0	5	24
SHEPHERN	4	6	1	0	0	1	1	0	0	0	0	3	16
SHIRLEY	12	5	2	1	0	0	0	0	1	0	0	4	25

TABLE C-14A (CONTINUED)
SELECTED CAUSES OF DEATH BY CITY AND TOWN OF RESIDENCE
1985

	HEART DISEASES (390-398, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-436)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (480-487)	CHRONIC OBSTRUCTIVE PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
SHREWSBURY	54	44	11	4	3	5	8	1	0	0	2	28	168
SHUTESBURY	2	1	0	0	0	0	0	0	0	0	0	2	5
SOHERSET	87	52	18	2	2	2	7	2	3	4	2	19	200
SONERVILLE	329	183	38	6	17	38	35	14	21	8	8	115	812
SOUTH HADLEY	61	29	11	0	1	8	8	1	3	2	2	21	147
SOUTHAMPTON	11	2	1	2	0	0	3	0	0	0	0	2	21
SOUTHBOROUGH	13	11	3	0	1	0	1	1	0	0	0	11	41
SOUTHERIDGE	69	48	10	0	3	12	9	4	2	2	4	28	191
SOUTHWICK	19	9	4	4	0	0	1	0	0	0	0	6	43
SPENCER	33	24	3	2	2	4	7	0	1	0	0	14	90
SPRINGFIELD	622	364	126	12	35	60	65	31	24	20	11	295	1665
STERLING	10	7	1	1	1	2	0	0	1	0	0	5	28
STOCKERIDGE	9	8	3	0	0	2	2	1	0	0	0	5	32
STONEHAM	80	41	10	0	2	9	4	2	1	1	2	21	173
STOUGHTON	97	50	12	5	3	7	11	4	3	1	2	36	231
STOW	8	5	1	2	0	1	0	2	0	0	0	4	23
STURBRIDGE	19	10	4	0	0	2	2	0	0	2	2	6	47
SUDEBURY	26	15	4	2	2	4	3	4	1	0	2	17	82
SUNDERLAND	4	4	1	0	0	2	0	1	0	0	1	3	16
SUTTON	13	12	0	1	1	1	2	2	0	0	0	9	41
SWAMPSCOTT	66	37	9	1	2	2	4	5	2	1	1	15	145
SWANSEA	47	37	10	4	3	3	4	4	2	1	0	18	133
TAUNTON	165	100	47	7	13	23	21	9	7	6	3	57	458
TEMPLETON	26	14	2	2	1	2	5	1	0	0	2	10	65
TEWKSBURY	59	47	6	3	1	2	6	3	2	7	1	21	158
TISBURY	10	11	0	0	1	0	0	0	1	2	0	2	27
TOLLAND	2	1	0	0	0	0	0	0	0	0	0	0	3
TOPSFIELD	20	6	4	0	0	3	2	0	0	1	0	6	42
TOHINSEND	10	7	4	0	0	0	1	0	0	0	0	6	28
TRURO	8	4	0	0	0	1	1	0	0	0	0	2	16
TYNGSBOROUGH	11	13	2	0	0	1	3	1	1	1	1	9	43
TRYINGHAM	1	1	0	0	0	0	0	0	0	0	0	1	3
UPTON	16	8	1	0	0	1	2	1	0	0	0	9	38
UXBRIDGE	30	14	5	1	1	0	2	0	2	0	0	11	66
WAKEFIELD	112	45	12	2	4	12	10	6	6	1	2	34	246
WALES	3	3	0	0	0	0	0	0	0	0	0	1	7
WALPOLE	47	33	5	5	4	7	4	2	2	1	3	16	129
WALTHAM	160	152	34	7	6	27	18	5	10	4	5	89	517
WARE	40	18	11	0	1	2	4	0	0	0	1	13	90
WAREHAM	84	49	17	3	1	2	8	1	2	0	1	29	197

WARREN	17	4	3	1	1	1	2	2	0	2	1	4	38
WARWICK	1	1	0	0	0	0	0	1	0	0	0	0	3
WASHINGTON	1	2	0	0	0	2	0	1	0	0	0	0	6
WATERTOWN	126	85	24	3	9	12	7	9	6	4	4	56	345
WAYLAND	34	23	8	1	0	4	1	2	3	0	0	16	92
WEBSTER	69	28	8	2	2	6	5	8	3	1	1	34	167
WELLESLEY	66	53	16	1	2	8	5	5	1	0	3	31	193
WELLFLEET	10	7	3	1	0	1	0	0	0	0	0	2	24
WENDELL	0	1	0	0	0	0	0	0	0	0	0	2	3
WEIRHAM	11	8	1	1	1	1	2	1	0	0	0	7	35
WEST BOYLSTON	21	18	2	0	0	3	2	1	0	1	1	6	55
WEST BRIDGEWATER	24	21	2	0	1	1	2	1	0	0	0	12	64
WEST BROOKFIELD	14	5	3	1	0	3	0	1	0	0	0	4	31
WEST NEWBURY	4	6	1	0	1	1	0	0	0	0	0	1	14
WEST SPRINGFIELD	100	76	18	3	7	12	11	3	1	0	2	44	277
WEST STOCKBRIDGE	3	2	0	1	0	0	1	0	0	0	0	1	8
WEST TISBURY	3	1	1	0	0	0	0	0	0	0	0	1	6
WESTBOROUGH	39	26	7	0	3	6	5	1	1	2	3	19	112
WESTFIELD	143	70	25	7	4	5	8	4	5	4	11	39	325
WESTFORD	29	23	5	1	3	6	2	2	0	2	0	11	84
WESTHAMPTON	2	1	1	0	0	2	0	0	0	0	0	2	8
WESTMINSTER	17	7	0	1	0	0	2	0	0	0	0	5	32
WESTON	38	25	4	0	1	1	4	1	0	1	1	12	88
WESTPORT	43	30	12	0	2	3	0	3	1	1	2	17	118
WESTWOOD	43	27	7	0	0	6	0	1	1	1	1	21	108
WENMOUTH	231	141	43	4	12	21	18	5	7	1	3	78	564
WHATELY	3	4	1	0	0	0	0	0	0	0	0	2	10
WHITMAN	35	24	12	3	2	3	2	0	2	0	2	18	103
WILBRAHAM	30	21	7	1	3	4	2	0	0	3	1	7	79
WILLIAMSBURG	3	2	1	0	0	1	0	1	0	0	0	2	10
WILLIAMSTOWN	27	23	8	2	6	3	3	0	1	1	2	8	84
WILMINGTON	48	27	7	4	1	5	3	1	3	0	3	17	119
WINCHENDON	28	16	2	0	2	5	1	1	2	0	1	15	73
WINCHESTER	64	43	13	2	1	10	7	1	0	1	2	24	168
WINDSOR	0	2	0	0	0	0	0	0	0	1	2	1	3
WINTHROP	105	41	12	0	4	10	6	3	7	1	1	32	222
WOBBURN	116	85	21	5	6	11	9	10	9	2	0	29	303
WORCESTER	755	402	132	25	44	90	57	32	19	29	17	346	1948
WORTHINGTON	1	3	0	0	0	1	0	0	0	1	1	2	9
WRENTHAM	16	15	11	4	0	7	7	0	0	0	1	7	68
YARMOUTH	127	91	28	3	4	9	8	11	3	9	4	45	342
STATE TOTAL	21048	13054	3784	813	1064	2232	1862	932	758	599	547	8897	55590

TABLE C-14B
SELECTED CAUSES OF DEATH BY COUNTY OF RESIDENCE
1985

	HEART DISEASES (390-398, 402, 404-429)	MALIGNANT NEOPLASMS (140-209)	CEREBROVASCULAR DISEASE (430-439)	MOTOR VEHICLE ACCIDENTS (810-825)	OTHER ACCIDENTS (800-807, 826-949)	INFLUENZA & PNEUMONIA (460-467)	CHRONIC OBSTRUCTIVE-PULMONARY (490-496)	DIABETES MELLITUS (250)	CHRONIC LIVER DIS. & CIRRHOSIS (571)	ATHEROSCLEROSIS (440)	SUICIDE (950-959)	ALL OTHER CAUSES	TOTAL
BARNSTABLE	737	524	177	30	42	79	75	47	27	44	22	311	2115
BERKSHIRE	519	364	106	28	35	55	65	24	18	51	12	222	1469
BRISTOL	1796	1142	418	65	84	154	159	94	68	76	46	638	4740
DUKES	28	30	7	2	3	0	2	0	1	3	0	20	96
ESSEX	2527	1461	414	82	123	267	208	109	90	97	65	926	6369
FRANKLIN	208	147	45	16	8	28	21	9	5	9	10	103	609
HAMPDEN	1744	1034	347	61	92	168	165	73	53	58	38	728	4561
HAMPSHIRE	399	224	78	15	13	50	45	15	10	8	10	148	1015
MIDDLESEX	4587	2947	754	174	227	511	453	230	179	128	109	1956	12255
NANTUCKET	19	19	5	3	0	4	4	1	1	1	0	12	69
NORFOLK	2215	1429	446	93	107	233	172	62	59	25	50	887	5778
PLYMOUTH	1337	834	250	61	89	132	108	53	51	23	32	507	3477
SUFFOLK	2475	1539	368	77	134	308	181	104	120	32	72	1348	6758
WORCESTER	2457	1360	369	106	107	243	204	111	76	74	81	1091	6279
STATE TOTAL	21048	13054	3784	813	1064	2232	1862	932	758	599	547	8897	55590

TABLE C-14C
SELECTED CAUSES OF DEATH BY HEALTH SERVICE AREA OF RESIDENCE
1985

		- CAUSES*-												
HSA	SUBAREA	TOTAL	1	2	3	4	5	6	7	8	9	10	11	12
STATE TOTAL		55,590	21,048	13,054	3,784	813	1,064	2,232	1,862	932	758	599	547	8,897
I	BERKSHIRE	1,470	519	365	106	28	35	55	65	24	18	21	12	222
	NORTHERN VALLEY	1,431	512	336	108	30	19	70	56	27	10	15	19	229
	SOUTHERN VALLEY	4,906	1,898	1,096	370	67	97	183	182	78	57	64	42	772
	TOTAL	7,807	2,929	1,797	584	125	151	308	303	129	85	100	73	1,223
II	NORTH	1,851	726	384	108	45	34	60	65	35	28	16	23	327
	CENTRAL	2,573	970	565	166	39	50	113	79	41	27	42	24	457
	SOUTH	2,009	811	447	109	27	30	68	76	34	28	13	34	332
	TOTAL	6,433	2,507	1,396	383	111	114	241	220	110	83	71	81	1,116
III	GREATER LOWELL	2,007	751	473	125	36	30	59	77	53	28	45	23	307
	GREATER LAWRENCE	1,541	625	316	94	27	31	61	55	37	26	26	16	227
	GTR HAVER-NEWBPT	1,149	458	263	71	24	18	44	31	12	14	34	10	170
	TOTAL	4,697	1,834	1,052	290	87	79	164	163	102	68	105	49	704
IV	METRO CENTRAL	7,311	2,684	1,692	397	81	147	329	194	110	122	33	75	1,447
	METRO NORTHWEST	4,051	1,434	953	255	60	92	201	164	82	67	38	32	673
	METRO WEST	4,019	1,468	992	266	60	78	184	109	66	52	29	42	673
	METRO SOUTHWEST	1,375	502	357	94	27	25	76	35	10	11	8	16	214
	METRO SOUTH	3,188	1,269	770	273	48	51	109	96	39	43	11	25	454
	TOTAL	19,944	7,357	4,764	1,285	276	393	899	598	307	295	119	190	3,461
V	ATTLEBORO AREA	682	241	147	50	15	20	30	33	15	10	9	9	103
	BROCKTON AREA	1,790	675	425	127	28	44	76	62	20	23	10	16	284
	PLYMOUTH AREA	1,145	453	262	72	27	33	39	32	22	17	10	13	165
	TAUNTON-MDLBORO	882	314	211	84	15	22	35	35	18	13	14	5	116
	FALL RIVER AREA	1,623	658	395	164	17	30	29	36	31	23	32	14	194
	NEW BEDFORD AREA	1,776	668	453	139	22	18	66	60	35	26	24	18	249
	CAPE COD	2,477	868	622	206	38	46	85	89	49	31	48	23	372
	TOTAL	10,375	3,877	2,515	842	162	213	360	347	188	143	147	98	1,483
VI	CAPE ANN	1,007	343	264	57	7	32	47	30	20	15	17	13	162
	DANVERS-SALEM	1,224	513	307	88	11	13	56	37	13	14	7	9	156
	GREATER LYNN	1,448	588	311	104	13	29	59	55	27	21	13	17	211
	EASTRN MIDDLESEX	936	400	230	61	8	16	32	32	14	12	7	9	115
	TRI-CITIES	1,719	700	418	90	13	24	66	77	22	22	13	8	266
	TOTAL	6,334	2,544	1,530	400	52	114	260	231	96	84	57	56	910

*SELECTED CAUSES ARE NUMBERED AS FOLLOWS:

1=HEART DISEASE (390-398, 402, 404-429)
 2=MALIGNANT NEOPLASMS (140-209)
 3=CEREBROVASCULAR DISEASE (430-438)
 4=MOTOR VEHICLE ACCIDENTS (E810-E825)
 5=OTHER ACCIDENTS (E800-E807, E826-E949)
 6=INFLUENZA & PNEUMONIA (480-487)

7=CHRONIC OBSTRUCTIVE PULMONARY DISEASE (490-496)
 8=DIABETES MELLITIS (250)
 9=CHRONIC LIVER DISEASE & CIRRHOSIS (571)
 10=ATHEROSCLEROSIS (440)
 11=SUICIDE (E950-E959)
 12=ALL OTHER CAUSES

TABLE C-15
RESIDENT DEATHS BY CAUSE, SEX, AND RACE
1985

ICD. LIST NUMBER		*****								
		TOTALS			WHITE			NON-WHITE		
CAUSE OF DEATH		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*001-139	I. INFECTIVE AND PARASITIC DISEASES	797	404	393	730	368	362	67	36	31
001-009	INTESTINAL INFECTIOUS DISEASES	17	8	9	17	8	9	0	0	0
004	OTHER SALMONELLA INFECTIONS	6	3	3	6	3	3	0	0	0
008	INTESTINAL INFECTIONS DUE TO OTHER ORGANISMS	9	4	5	9	4	5	0	0	0
009	ILL-DEFINED INTESTINAL INFECTIONS	2	1	1	2	1	1	0	0	0
010-018	TUBERCULOSIS	34	19	15	27	16	11	7	3	4
011	PULMONARY	26	16	10	21	13	8	5	3	2
012	OTHER RESPIRATORY	1	0	1	0	0	0	1	0	1
013	MENINGES AND CENTRAL NERVOUS SYSTEM	1	1	0	1	1	0	0	0	0
015	BONES AND JOINTS	1	0	1	1	0	1	0	0	0
017	OTHER ORGANS	2	0	2	1	0	1	1	0	1
018	MILIARY	3	2	1	3	2	1	0	0	0
020-027	ZOOBOTIC BACTERIAL DISEASES	3	3	0	3	3	0	0	0	0
027	OTHER ZOOBOTIC BACTERIAL DISEASES	3	3	0	3	3	0	0	0	0
030-041	OTHER BACTERIAL DISEASES	572	265	307	531	245	286	41	20	21
031	DISEASES DUE TO OTHER MYCOBACTERIA	1	1	0	0	0	0	1	1	0
036	MENINGOCOCCAL INFECTION	3	2	1	3	2	1	0	0	0
038	SEPTICAEMIA	554	258	296	515	239	276	39	19	20
039	ACTINOMYCOTIC INFECTIONS	1	0	1	1	0	1	0	0	0
040	OTHER BACTERIAL DISEASES	2	2	0	2	2	0	0	0	0
041	BACTERIAL INFECTION IN CONDITIONS CLASSIFIED ELSEWHERE AND OF UNSPECIFIED SITE	11	2	9	10	2	8	1	0	1
045-049	POLIOMYELITIS AND OTHER ENTEROVIRUS DIS. OF CENTRAL NERVOUS SYSTEM	14	5	9	14	5	9	0	0	0
046	SLOW VIRUS INFECTION OF CENTRAL NERVOUS SYSTEM	11	3	8	11	3	8	0	0	0
049	OTHER VIRAL DISEASES OF CENTRAL NERVOUS SYSTEM	3	2	1	3	2	1	0	0	0
050-057	VIRAL DISEASES ACCOMPANIED BY EXANTHEM	12	8	4	11	8	3	1	0	1
052	CHICKENPOX	1	0	1	0	0	0	1	0	1
053	HERPES ZOSTER	3	0	3	3	0	3	0	0	0
054	HERPES SIMPLEX	7	7	0	7	7	0	0	0	0
055	MEASLES	1	1	0	1	1	0	0	0	0
070-079	OTHER VIRAL DISEASES	40	21	19	37	20	17	3	1	2
070	VIRAL HEPATITIS	26	16	10	24	16	8	2	0	2
074	SPECIFIC DISEASES DUE TO COXSACKIE VIRUS	1	1	0	1	1	0	0	0	0
078	OTHER DISEASES DUE TO VIRUSES AND CHLAMYDIAE	3	2	1	2	1	1	1	1	0
079	VIRAL INFECTION IN CONDITIONS CLASSIFIED ELSEWHERE AND OF UNSPECIFIED SITE	10	2	8	10	2	8	0	0	0
080-088	RICKETTSIOSSES AND OTHER ARTHROPOD-BORNE DISEASES	1	1	0	1	1	0	0	0	0
084	MALARIA	1	1	0	1	1	0	0	0	0
090-099	SYPHILIS AND OTHER VENEREAL DISEASES	1	0	1	1	0	1	0	0	0
099	OTHER VENEREAL DISEASES	1	0	1	1	0	1	0	0	0
110-118	MYCOSES	34	22	12	31	19	12	3	3	0
112	CANDIDIASIS	24	17	7	23	16	7	1	1	0
115	HISTOPLASMOSIS	1	1	0	1	1	0	0	0	0
117	OTHER MYCOSES	9	4	5	7	2	5	2	2	0
120-129	HELMINTHIASES	1	1	0	1	1	0	0	0	0
127	OTHER INTESTINAL HELMINTHIASES	1	1	0	1	1	0	0	0	0
130-136	OTHER INFECTIVE AND PARASITIC DISEASES	56	43	13	45	35	10	11	8	3
130	TOXOPLASMOSIS	2	2	0	1	1	0	1	1	0

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ICD. LIST NUMBER	CAUSE OF DEATH I. INFECTIVE AND PARASITIC DISEASES (CONTINUED)	T O T A L S			W H I T E			N O N - W H I T E		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
135	SARCOIDOSIS	7	2	5	4	1	3	3	1	2
136	OTHER AND UNSPECIFIED INFECTIOUS AND PARASITIC DISEASES	47	39	8	40	33	7	7	6	1
137-139	LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES	12	8	4	11	7	4	1	1	0
137	TUBERCULOSIS	9	6	3	8	5	3	1	1	0
138	ACUTE POLIOMYELITIS	3	2	1	3	2	1	0	0	0
*140-239	II. NEOPLASMS	13237	6633	6604	12800	6397	6403	431	235	196
140-149	MALIGNANT NEOPLASM OF LIP, ORAL CAVITY AND PHARYNX	234	168	66	220	157	63	14	11	3
140	LIP	7	6	1	7	6	1	0	0	0
141	TONGUE	64	42	22	63	41	22	1	1	0
142	MAJOR SALIVARY GLANDS	13	6	7	13	6	7	0	0	0
143	GUM	2	0	2	2	0	2	0	0	0
144	FLOOR OF MOUTH	11	10	1	11	10	1	0	0	0
145	OTHER AND UNSPECIFIED PARTS OF MOUTH	37	26	11	35	26	9	2	0	2
146	OROPHARYNX	30	23	7	26	19	7	4	4	0
147	NASOPHARYNX	13	9	4	9	5	4	4	4	0
148	HYPOPHARYNX	21	18	3	19	17	2	2	1	1
149	OTHER AND ILL-DEFINED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	36	28	8	35	27	8	1	1	0
150-159	MALIGNANT NEOPLASM OF DIGESTIVE ORGANS AND PERITONEUM	3535	1776	1759	3415	1714	1701	118	62	56
150	ESOPHAGUS	269	199	70	251	185	66	18	14	4
151	STOMACH	464	248	216	445	238	207	19	10	9
152	SMALL INTESTINE, INCLUDING DUODENUM	24	11	13	24	11	13	0	0	0
153	COLON	1418	669	749	1377	649	728	41	20	21
154	RECTUM, RECTOSIGMOID JUNCTION AND ANUS	317	151	166	316	150	166	1	1	0
155	LIVER AND INTRAHEPATIC BILE DUCTS	187	113	74	176	106	70	11	7	4
156	GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	107	37	70	102	36	66	5	1	4
157	PANCREAS	651	301	350	630	292	338	20	9	11
158	RETROPERITONEUM AND PERITONEUM	12	8	4	12	8	4	0	0	0
159	OTHER AND ILL-DEFINED SITES WITHIN THE DIGESTIVE ORGANS AND PERITONEUM	86	39	47	82	39	43	3	0	3
160-165	MALIGNANT NEOPLASM OF RESPIRATORY AND INTRATHORACIC ORGANS	3292	2150	1142	3195	2086	1109	95	63	32
160	NASAL CAVITIES, MIDDLE EAR AND ACCESSORY SINUSES	12	7	5	12	7	5	0	0	0
161	LARYNX	131	103	28	128	100	28	3	3	0
162	TRACHEA, BRONCHUS AND LUNG	3129	2029	1100	3035	1968	1067	92	60	32
163	PLEURA	12	8	4	12	8	4	0	0	0
164	THYMUS, HEART AND MEDIASTINUM	8	3	5	8	3	5	0	0	0
170-175	MALIGNANT NEOPLASM OF BONE, CONNECTIVE TISSUE, SKIN, AND BREAST	1649	206	1443	1603	200	1403	46	6	40
170	BONE AND ARTICULAR CARTILAGE	30	15	15	30	15	15	0	0	0
171	CONNECTIVE AND OTHER SOFT TISSUE	78	38	40	73	36	37	5	2	3
172	MALIGNANT MELANOMA OF SKIN	164	105	59	164	105	59	0	0	0
173	OTHER MALIGNANT NEOPLASM OF SKIN	54	40	14	52	38	14	2	2	0

TABLE C-15 (CONTINUED)

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ICD. LIST NUMBER	CAUSE OF DEATH II. NEOPLASMS (CONTINUED)	TOTALS			WHITE			NON-WHITE		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
174	FEMALE BREAST	1315	0	1315	1278	0	1278	37	0	37
175	MALE BREAST	8	8	0	6	6	0	2	2	0
179-189	MALIGNANT NEOPLASM OF GENITOURINARY ORGANS	1782	942	840	1721	902	819	61	40	21
179	UTERUS, PART UNSPECIFIED	90	0	90	88	0	88	2	0	2
180	CERVIX UTERI	98	0	98	89	0	89	9	0	9
181	PLACENTA	1	0	1	0	0	0	1	0	1
182	BODY OF UTERUS	105	0	105	104	0	104	1	0	1
183	OVARY AND OTHER UTERINE ADNEXA	333	0	333	329	0	329	4	0	4
184	OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	31	0	31	31	0	31	0	0	0
185	PROSTATE	639	639	0	605	605	0	34	34	0
186	TESTIS	6	6	0	6	6	0	0	0	0
187	PENIS AND OTHER MALE GENITAL ORGANS	6	6	0	6	6	0	0	0	0
188	BLADDER	237	151	86	236	151	85	1	0	1
189	KIDNEY AND OTHER AND UNSPECIFIED URINARY ORGANS	236	140	96	227	134	93	9	6	3
190-199	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES	1421	744	677	1368	715	653	52	29	23
190	EYE	3	1	2	3	1	2	0	0	0
191	BRAIN	259	133	126	254	129	125	5	4	1
192	OTHER AND UNSPECIFIED PARTS OF NERVOUS SYSTEM	5	3	2	4	2	2	1	1	0
193	THYROID GLAND	37	11	26	36	10	26	1	1	0
194	OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	19	10	9	19	10	9	0	0	0
195	OTHER AND ILL-DEFINED SITES	93	42	51	86	37	49	7	5	2
199	WITHOUT SPECIFICATION OF SITE	1005	544	461	966	526	440	38	18	20
200-208	NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUE	1141	561	580	1101	539	562	40	22	18
200	LYMPHOSARCOMA AND RETICULOSARCOMA	103	54	49	102	53	49	1	1	0
201	HODGKIN'S DISEASE	40	24	16	38	23	15	2	1	1
202	OTHER MALIGNANT NEOPLASM OF LYMPHOID AND HISTIOCYTIC TISSUE	316	159	157	310	154	156	6	5	1
203	MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS	212	88	124	195	78	117	17	10	7
204	LYMPHOID LEUKAEMIA	121	67	54	118	67	51	3	0	3
205	MYELOID LEUKAEMIA	201	107	94	195	105	90	6	2	4
206	MONOCYTIC LEUKAEMIA	1	0	1	1	0	1	0	0	0
207	OTHER SPECIFIED LEUKAEMIA	7	2	5	6	1	5	1	1	0
208	LEUKAEMIA OF UNSPECIFIED CELL TYPE	140	60	80	136	58	78	4	2	2
210-229	BENIGN NEOPLASMS	32	12	20	29	11	18	2	1	1
210	LIP, ORAL CAVITY AND PHARYNX	1	0	1	0	0	0	1	0	1
211	OTHER PARTS OF DIGESTIVE SYSTEM	3	1	2	3	1	2	0	0	0
212	RESPIRATORY AND INTRATHORACIC ORGANS	4	2	2	4	2	2	0	0	0
215	OTHER BENIGN NEOPLASM OF CONNECTIVE AND OTHER SOFT TISSUE	2	0	2	2	0	2	0	0	0
216	SKIN	1	0	1	1	0	1	0	0	0
225	BRAIN AND OTHER PARTS OF NERVOUS SYSTEM	16	6	10	15	6	9	0	0	0
227	OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	5	3	2	4	2	2	1	1	0
230-234	CARCINOMA IN SITU	1	0	1	1	0	1	0	0	0
230	DIGESTIVE ORGANS	1	0	1	1	0	1	0	0	0
235-238	NEOPLASMS OF UNCERTAIN BEHAVIOUR	27	13	14	26	12	14	1	1	0

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ICD. LIST NUMBER		***** T O T A L S									W H I T E			N O N - W H I T E		
CAUSE OF DEATH II. NEOPLASMS (CONTINUED)		TOT	MALE	FEM							TOT	MALE	FEM	TOT	MALE	FEM
235	DIGESTIVE AND RESPIRATORY SYSTEMS	3	0	3							3	0	3	0	0	0
237	ENDOCRINE GLANDS AND NERVOUS SYSTEM	2	1	1							2	1	1	0	0	0
238	OTHER AND UNSPECIFIED SITES AND TISSUES	22	12	10							21	11	10	1	1	0
239-239	NEOPLASM OF UNSPECIFIED NATURE	123	61	62							121	61	60	2	0	2
239	NEOPLASM OF UNSPECIFIED NATURE	123	61	62							121	61	60	2	0	2
*240 279	III. ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES	1350	558	792							1281	526	755	69	32	37
240-246	DISORDERS OF THYROID GLAND	27	7	20							26	7	19	1	0	1
241	NONTOXIC NODULAR GOITRE	1	0	1							1	0	1	0	0	0
242	THYROTOXICOSIS WITH OR WITHOUT GOITRE	9	1	8							8	1	7	1	0	1
244	ACQUIRED HYPOTHYROIDISM	16	6	10							16	6	10	0	0	0
246	OTHER DISORDERS OF THYROID	1	0	1							1	0	1	0	0	0
250-259	DISEASES OF OTHER ENDOCRINE GLANDS	948	375	573							906	359	547	42	16	26
250	DIABETES MELLITUS	932	369	563							890	353	537	42	16	26
251	OTHER DISORDERS OF PANCREATIC INTERNAL SECRETION	7	3	4							7	3	4	0	0	0
252	DISORDERS OF PARATHYROID GLAND	1	0	1							1	0	1	0	0	0
253	DISORDERS OF THE PITUITARY GLAND AND ITS HYPOTHALAMIC CONTROL	4	3	1							4	3	1	0	0	0
255	DISORDERS OF ADRENAL GLANDS	3	0	3							3	0	3	0	0	0
258	POLYGLANDULAR DYSFUNCTION AND RELATED DISORDERS	1	0	1							1	0	1	0	0	0
260-269	NUTRITIONAL DEFICIENCIES	73	19	54							73	19	54	0	0	0
260	KWASHIORKOR	3	0	3							3	0	3	0	0	0
261	NUTRITIONAL MARASMUS	5	3	2							5	3	2	0	0	0
263	OTHER AND UNSPECIFIED PROTEIN-CALORIE MALNUTRITION	62	15	47							62	15	47	0	0	0
265	THIAMINE AND NIACIN DEFICIENCY STATES	1	0	1							1	0	1	0	0	0
266	DEFICIENCY OF B-COMPLEX COMPONENTS	1	1	0							1	1	0	0	0	0
269	OTHER NUTRITIONAL DEFICIENCIES	1	0	1							1	0	1	0	0	0
270-279	OTHER METABOLIC AND IMMUNITY DISORDERS	302	157	145							276	141	135	26	16	10
270	DISORDERS OF AMINO-ACID TRANSPORT AND METABOLISM	2	1	1							2	1	1	0	0	0
271	DISORDERS OF CARBOHYDRATE TRANSPORT AND METABOLISM	1	0	1							1	0	1	0	0	0
272	DISORDERS OF LIPOID METABOLISM	15	9	6							15	9	6	0	0	0
273	DISORDERS OF PLASMA PROTEIN METABOLISM	13	6	7							13	6	7	0	0	0
274	GOUT	1	1	0							1	1	0	0	0	0
275	DISORDERS OF MINERAL METABOLISM	10	8	2							10	8	2	0	0	0
276	DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	121	43	78							109	37	72	12	6	6
277	OTHER AND UNSPECIFIED DISORDERS OF METABOLISM	47	18	29							44	16	28	3	2	1
278	OBESITY AND OTHER HYPERALIMENTATION	26	14	12							25	13	12	1	1	0
279	DISORDERS INVOLVING THE IMMUNE MECHANISM	66	57	9							56	50	6	10	7	3

TABLE C-15 (CONTINUED)

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ICD. LIST NUMBER	CAUSE OF DEATH	*****								
		T O T A L S			W H I T E			N O N - W H I T E		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
		1204	91	113	188	86	102	16	5	11
*280 289	IV. DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS									
281	OTHER DEFICIENCY ANAEMIAS	9	2	7	9	2	7	0	0	0
282	HEREDITARY HAEMOLYTIC ANAEMIAS	7	2	5	1	1	0	6	1	5
283	ACQUIRED HAEMOLYTIC ANAEMIAS	8	3	5	8	3	5	0	0	0
284	APLASTIC ANAEMIA	31	13	18	30	12	18	1	1	0
285	OTHER AND UNSPECIFIED ANAEMIAS	35	15	20	34	15	19	1	0	1
286	COAGULATION DEFECTS	31	13	18	26	12	14	5	1	4
287	PURPURA AND OTHER HAEMORRHAGIC CONDITIONS	22	9	13	22	9	13	0	0	0
288	DISEASES OF WHITE BLOOD CELLS	16	11	5	13	9	4	3	2	1
289	OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	45	23	22	45	23	22	0	0	0
*290 319	V. MENTAL DISORDERS	449	197	252	428	184	244	21	13	8
290-294	ORGANIC PSYCHOTIC CONDITIONS	144	50	94	141	50	91	3	0	3
290	SENILE AND PRESENILE ORGANIC PSYCHOTIC CONDITIONS	136	44	92	133	44	89	3	0	3
291	ALCOHOLIC PSYCHOSES	6	5	1	6	5	1	0	0	0
292	DRUG PSYCHOSES	1	1	0	1	1	0	0	0	0
294	OTHER ORGANIC PSYCHOTIC CONDITIONS (CHRONIC)	1	0	1	1	0	1	0	0	0
295-299	OTHER PSYCHOSES	85	28	57	80	24	56	5	4	1
295	SCHIZOPHRENIC PSYCHOSES	8	3	5	8	3	5	0	0	0
296	AFFECTIVE PSYCHOSES	2	0	2	2	0	2	0	0	0
298	OTHER NONORGANIC PSYCHOSES	75	25	50	70	21	49	5	4	1
300-316	NEUROSES, PERSONALITY DISORDERS, AND OTHER NONPSYCHOTIC DISORDERS	214	116	98	203	108	95	11	8	3
300	NEUROTIC DISORDERS	2	1	1	2	1	1	0	0	0
303	ALCOHOL DEPENDENCE SYNDROME	74	60	14	68	56	12	6	4	2
304	DRUG DEPENDENCE	6	5	1	3	2	1	3	3	0
305	NONDEPENDENT ABUSE OF DRUGS	23	15	8	21	14	7	2	1	1
306	PHYSIOLOGICAL MALFUNCTION ARISING FROM MENTAL FACTORS	2	1	1	2	1	1	0	0	0
307	SPECIAL SYMPTOMS OR SYNDROMES NOT ELSEWHERE CLASSIFIED	1	0	1	1	0	1	0	0	0
309	ADJUSTMENT REACTION	1	0	1	1	0	1	0	0	0
310	SPECIFIC NONPSYCHOTIC MENTAL DISORDERS FOLLOWING ORGANIC BRAIN DAMAGE	88	29	59	88	29	59	0	0	0
311	DEPRESSIVE DISORDER, NOT ELSEWHERE CLASSIFIED	17	5	12	17	5	12	0	0	0
317-319	MENTAL RETARDATION	6	3	3	4	2	2	2	1	1
318	OTHER SPECIFIED MENTAL RETARDATION	2	1	1	1	0	1	1	1	0
319	UNSPECIFIED MENTAL RETARDATION	4	2	2	3	2	1	1	0	1

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ICD. LIST NUMBER		TOTALS			WHITE			NON-WHITE		
CAUSE OF DEATH		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*320-329	VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	1046	467	579	1018	453	565	28	14	14
320-326	INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM	41	25	16	38	24	14	3	1	2
320	BACTERIAL MENINGITIS	19	11	8	17	10	7	2	1	1
322	MENINGITIS OF UNSPECIFIED CAUSE	10	7	3	10	7	3	0	0	0
323	ENCEPHALITIS, MYELITIS AND ENCEPHALOMYELITIS	6	3	3	6	3	3	0	0	0
324	INTRACRANIAL AND INTRASPINAL ABSCESS	6	4	2	5	4	1	1	0	1
330-337	HEREDITARY AND DEGENERATIVE DISEASES OF NERVOUS SYSTEM	706	301	405	700	300	400	6	1	5
330	CEREBRAL DEGENERATIONS USUALLY MANIFEST IN CHILDHOOD	6	4	2	5	4	1	1	0	1
331	OTHER CEREBRAL DEGENERATIONS	379	132	247	376	131	245	3	1	2
332	PARKINSON'S DISEASE	196	99	97	195	99	96	1	0	1
333	OTHER EXTRAPYRAMIDAL DISEASE AND ABNORMAL MOVEMENT DISORDERS	12	6	6	12	6	6	0	0	0
334	SPINOCEREBELLAR DISEASE	13	2	11	13	2	11	0	0	0
335	ANTERIOR HORN CELL DISEASE	93	53	40	93	53	40	0	0	0
336	OTHER DISEASES OF SPINAL CORD	6	4	2	5	4	1	1	0	1
337	DISORDERS OF THE AUTONOMIC NERVOUS SYSTEM	1	1	0	1	1	0	0	0	0
340-349	OTHER DISORDERS OF THE CENTRAL NERVOUS SYSTEM	247	111	136	230	100	130	17	11	6
340	MULTIPLE SCLEROSIS	54	17	37	53	17	36	1	0	1
341	OTHER DEMYELINATING DISEASES OF CENTRAL NERVOUS SYSTEM	11	3	8	11	3	8	0	0	0
342	HEMIPLEGIA	15	5	10	14	5	9	1	0	1
343	INFANTILE CEREBRAL PALSY	5	3	2	4	2	2	1	1	0
344	OTHER PARALYTIC SYNDROMES	22	13	9	21	13	8	1	0	1
345	EPILEPSY	34	17	17	30	14	16	4	3	1
348	OTHER CONDITIONS OF BRAIN	98	49	49	89	42	47	9	7	2
349	OTHER AND UNSPECIFIED DISORDERS OF THE NERVOUS SYSTEM	8	4	4	8	4	4	0	0	0
350-359	DISORDERS OF PERIPHERAL NERVOUS SYSTEM	50	29	21	48	28	20	2	1	1
352	DISORDERS OF OTHER CRANIAL NERVES	1	0	1	1	0	1	0	0	0
355	MONONEURITIS OF LOWER LIMB	1	0	1	1	0	1	0	0	0
356	HEREDITARY AND IDIOPATHIC PERIPHERAL NEUROPATHY	14	8	6	13	8	5	1	0	1
357	INFLAMMATORY AND TOXIC NEUROPATHY	4	3	1	4	3	1	0	0	0
358	MYONEURAL DISORDERS	9	7	2	9	7	2	0	0	0
359	MUSCULAR DYSTROPHIES AND OTHER MYOPATHIES	21	11	10	20	10	10	1	1	0
360-369	DISEASES OF THE EAR AND MASTOID PROCESS	2	1	1	2	1	1	0	0	0
382	SUPPURATIVE AND UNSPECIFIED OTITIS MEDIA	1	1	0	1	1	0	0	0	0
383	MASTOIDITIS AND RELATED CONDITIONS	1	0	1	1	0	1	0	0	0

TABLE C-15 (CONTINUED)

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ICD. LIST NUMBER	CAUSE OF DEATH	T O T A L S			W H I T E			N O N - W H I T E		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*390-459	VII. DISEASES OF THE CIRCULATORY SYSTEM	26454	12376	14078	25731	12010	13721	714	359	355
390-392	ACUTE RHEUMATIC FEVER	1	0	1	1	0	1	0	0	0
391	RHEUMATIC FEVER WITH HEART INVOLVEMENT	1	0	1	1	0	1	0	0	0
393-398	CHRONIC RHEUMATIC HEART DISEASE	161	42	119	159	41	118	2	1	1
393	CHRONIC RHEUMATIC PERICARDITIS	1	1	0	1	1	0	0	0	0
394	DISEASES OF MITRAL VALVE	66	16	50	65	16	49	1	0	1
395	DISEASES OF AORTIC VALVE	5	3	2	5	3	2	0	0	0
396	DISEASES OF MITRAL AND AORTIC VALVES	23	3	20	23	3	20	0	0	0
397	DISEASES OF OTHER ENDOCARDIAL STRUCTURES	9	4	5	9	4	5	0	0	0
398	OTHER RHEUMATIC HEART DISEASE	57	15	42	56	14	42	1	1	0
401-405	HYPERTENSIVE DISEASE	740	296	444	682	266	416	58	30	28
401	ESSENTIAL HYPERTENSION	94	34	60	88	30	58	6	4	2
402	HYPERTENSIVE HEART DISEASE	506	212	294	460	189	271	46	23	23
403	HYPERTENSIVE RENAL DISEASE	94	33	61	91	32	59	3	1	2
404	HYPERTENSIVE HEART AND RENAL DISEASE	46	17	29	43	15	28	3	2	1
410-414	ISCHEMIC HEART DISEASE	15689	7939	7750	15371	7772	7599	310	161	149
410	ACUTE MYOCARDIAL INFARCTION	7615	4110	3505	7445	4022	3423	165	83	82
411	OTHER ACUTE AND SUBACUTE FORM OF ISCHAEMIC HEART DISEASE	44	26	18	42	26	16	2	0	2
412	OLD MYOCARDIAL INFARCTION	26	14	12	25	14	11	1	0	1
413	ANGINA PECTORIS	23	11	12	21	10	11	2	1	1
414	OTHER FORMS OF CHRONIC ISCHAEMIC HEART DISEASE	7981	3778	4203	7838	3700	4138	140	77	63
415-417	DISEASES OF PULMONARY CIRCULATION	288	139	149	270	130	140	18	9	9
415	ACUTE PULMONARY HEART DISEASE	254	125	129	239	117	122	15	8	7
416	CHRONIC PULMONARY HEART DISEASE	33	13	20	30	12	18	3	1	2
417	OTHER DISEASES OF PULMONARY CIRCULATION	1	1	0	1	1	0	0	0	0
420-429	OTHER FORMS OF HEART DISEASE	4357	1994	2363	4175	1891	2284	182	103	79
420	ACUTE PERICARDITIS	2	2	0	2	2	0	0	0	0
421	ACUTE AND SUBACUTE ENDOCARDITIS	21	10	11	21	10	11	0	0	0
422	ACUTE MYOCARDITIS	7	4	3	6	4	2	1	0	1
423	OTHER DISEASES OF PERICARDIUM	14	9	5	13	9	4	1	0	1
424	OTHER DISEASES OF ENDOCARDIUM	301	103	198	293	100	193	8	3	5
425	CARDIOMYOPATHY	346	234	112	322	218	104	24	16	8
426	CONDUCTION DISORDERS	13	8	5	12	7	5	1	1	0
427	CARDIAC DYSRHYTHMIAS	1500	674	826	1449	643	806	51	31	20
428	HEART FAILURE	966	383	583	945	373	572	21	10	11
429	ILL-DEFINED DESCRIPTIONS AND COMPLICATIONS OF HEART DISEASE	1187	567	620	1112	525	587	75	42	33
430-438	CEREBROVASCULAR DISEASE	3784	1300	2484	3668	1257	2411	116	43	73
430	SUBARACHNOID HAEMORRHAGE	137	38	99	131	37	94	6	1	5
431	INTRACEREBRAL HAEMORRHAGE	538	230	308	507	218	289	31	12	19
432	OTHER AND UNSPECIFIED INTRACRANIAL HAEMORRHAGE	67	32	35	59	30	29	8	2	6
433	OCCCLUSION AND STENOSIS OF PRECEREBRAL ARTERIES	24	11	13	21	9	12	3	2	1
434	OCCCLUSION OF CEREBRAL ARTERIES	745	242	503	734	238	496	11	4	7
435	TRANSIENT CEREBRAL ISCHAEMIA	15	5	10	15	5	10	0	0	0
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	1688	584	1104	1638	564	1074	50	20	30
437	OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE	384	93	291	380	93	287	4	0	4
438	LATE EFFECTS OF CEREBROVASCULAR DISEASE	186	65	121	183	63	120	3	2	1
440-448	DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	1288	594	694	1263	583	680	24	10	14
440	ATHEROSCLEROSIS	599	193	406	593	190	403	5	2	3

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ICD. LIST NUMBER	CAUSE OF DEATH VII. DISEASES OF THE CIRCULATORY SYSTEM (CONTINUED)	***** T O T A L S			***** W H I T E			***** N O N - W H I T E		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
441	AORTIC ANEURYSM	456	293	163	448	289	159	8	4	4
442	OTHER ANEURYSM	18	12	6	16	10	6	2	2	0
443	OTHER PERIPHERAL VASCULAR DISEASE	107	44	63	101	43	58	6	1	5
444	ARTERIAL EMBOLISM AND THROMBOSIS	54	22	32	52	21	31	2	1	1
446	POLYARTERITIS NODOSA AND ALLIED CONDITIONS	15	8	7	14	8	6	1	0	1
447	OTHER DISORDERS OF ARTERIES AND ARTERIOLES	38	22	16	38	22	16	0	0	0
448	DISEASES OF CAPILLARIES	1	0	1	1	0	1	0	0	0
451-459	DISEASES OF VEINS AND LYMPHATICS, AND OTHER DIS. OF CIRCULATORY SYS.	146	72	74	142	70	72	4	2	2
451	PHLEBITIS AND THROMBOPHLEBITIS	43	22	21	43	22	21	0	0	0
452	PORTAL VEIN THROMBOSIS	1	0	1	1	0	1	0	0	0
453	OTHER VENOUS EMBOLISM AND THROMBOSIS	11	4	7	11	4	7	0	0	0
454	VARICOSE VEINS OF LOWER EXTREMITIES	9	4	5	9	4	5	0	0	0
456	VARICOSE VEINS OF OTHER SITES	13	11	2	13	11	2	0	0	0
457	NONINFECTIVE DISORDERS OF LYMPHATIC CHANNELS	1	0	1	1	0	1	0	0	0
458	HYPOTENSION	37	18	19	34	16	18	3	2	1
459	OTHER DISORDERS OF CIRCULATORY SYSTEM	31	13	18	30	13	17	1	0	1
*460 519	VIII. DISEASES OF THE RESPIRATORY SYSTEM	4792	2433	2359	4655	2352	2303	137	81	56
460-466	ACUTE RESPIRATORY INFECTIONS	19	7	12	18	7	11	1	0	1
464	ACUTE LARYNGITIS AND TRACHEITIS	3	1	2	2	1	1	1	0	1
465	ACUTE UPPER RESPIRATORY INFECTIONS OF MULTIPLE OR UNSPECIFIED SITES	4	1	3	4	1	3	0	0	0
466	ACUTE BRONCHITIS AND BRONCHIOLITIS	12	5	7	12	5	7	0	0	0
470-478	OTHER DISEASES UPPER RESPIRATORY TRACT	14	12	2	12	11	1	2	1	1
473	CHRONIC SINUSITIS	1	1	0	1	1	0	0	0	0
478	OTHER DISEASES OF UPPER RESPIRATORY TRACT	13	11	2	11	10	1	2	1	1
480-487	PNEUMONIA AND INFLUENZA	2232	1000	1232	2166	957	1209	66	43	23
480	VIRAL PNEUMONIA	19	8	11	18	7	11	1	1	0
481	PNEUMOCOCCAL PNEUMONIA	102	59	43	97	54	43	5	5	0
482	OTHER BACTERIAL PNEUMONIA	85	51	34	82	49	33	3	2	1
483	PNEUMONIA DUE TO OTHER SPECIFIED ORGANISM	4	2	2	4	2	2	0	0	0
485	BRONCHOPNEUMONIA, ORGANISM UNSPECIFIED	269	103	166	259	97	162	10	6	4
486	PNEUMONIA, ORGANISM UNSPECIFIED	1706	763	943	1659	734	925	47	29	18
487	INFLUENZA	47	14	33	47	14	33	0	0	0
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	1862	1084	778	1822	1059	763	40	25	15
490	BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	20	7	13	20	7	13	0	0	0
491	CHRONIC BRONCHITIS	95	60	35	93	58	35	2	2	0
492	EMPHYSEMA	330	226	104	325	222	103	5	4	1
493	ASTHMA	88	24	64	78	21	57	10	3	7
494	BRONCHIECTASIS	23	12	11	22	12	10	1	0	1
496	CHRONIC AIRWAYS OBSTRUCTION, NOT ELSEWHERE CLASSIFIED	1306	755	551	1284	739	545	22	16	6
500-508	PNEUMOCONIOSES AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENTS	234	104	130	226	101	125	8	3	5
501	ASBESTOSIS	8	8	0	8	8	0	0	0	0
502	PNEUMOCONIOSIS DUE TO OTHER SILICA OR SILICATES	1	1	0	1	1	0	0	0	0

TABLE C-15 (CONTINUED)

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ICD. LIST
NUMBERCAUSE OF DEATH
VIII. DISEASES OF THE RESPIRATORY SYSTEM
(CONTINUED)

***** T O T A L S				W H I T E			N O N - W H I T E		
	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
503 PNEUMOCONIOSIS DUE TO OTHER INORGANIC DUST	1	0	1	1	0	1	0	0	0
504 PNEUMOPATHY DUE TO INHALATION OF OTHER DUST	1	0	1	1	0	1	0	0	0
505 PNEUMOCONIOSIS, UNSPECIFIED	2	2	0	1	1	0	1	1	0
507 PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	221	93	128	214	91	123	7	2	5
510-519 OTHER DISEASES OF RESPIRATORY SYSTEM	431	226	205	411	217	194	20	9	11
510 EMPYEMA	16	11	5	16	11	5	0	0	0
511 PLEURISY	16	9	7	15	8	7	1	1	0
512 PNEUMOTHORAX	9	5	4	7	4	3	2	1	1
513 ABSCESS OF LUNG AND MEDIASTINUM	17	11	6	16	10	6	1	1	0
514 PULMONARY CONGESTION AND HYPOSTASIS	59	25	34	55	24	31	4	1	3
515 POSTINFLAMMATORY PULMONARY FIBROSIS	87	51	36	84	51	33	3	0	3
516 OTHER ALVEOLAR AND PARIETOALVEOLAR PNEUMOPATHY	19	10	9	19	10	9	0	0	0
518 OTHER DISEASES OF LUNG	176	91	85	168	86	82	8	5	3
519 OTHER DISEASES OF RESPIRATORY SYSTEM	32	13	19	31	13	18	1	0	1
*520 579 IX. DISEASES OF THE DIGESTIVE SYSTEM	2215	1107	1108	2134	1069	1065	80	37	43
520-529 DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	3	0	3	2	0	2	1	0	1
527 DISEASES OF THE SALIVARY GLANDS	2	0	2	1	0	1	1	0	1
528 DISEASES OF THE ORAL SOFT TISSUES, EXCLUDING LESIONS SPECIFIC FOR GINGIVA AND TONGUE	1	0	1	1	0	1	0	0	0
530-537 DISEASES OF ESOPHAGUS, STOMACH, AND DUODENUM	240	125	115	233	120	113	7	5	2
530 DISEASES OF OESOPHAGUS	36	18	18	34	16	18	2	2	0
531 GASTRIC ULCER	58	26	32	57	26	31	1	0	1
532 DUODENAL ULCER	55	32	23	54	32	22	1	0	1
533 PEPTIC ULCER, SITE UNSPECIFIED	52	25	27	50	23	27	2	2	0
535 GASTRITIS AND DUODENITIS	24	16	8	24	16	8	0	0	0
536 DISORDERS OF FUNCTION OF STOMACH	2	1	1	1	0	1	1	1	0
537 OTHER DISORDERS OF STOMACH AND DUODENUM	13	7	6	13	7	6	0	0	0
540-543 APPENDICITIS	18	5	13	18	5	13	0	0	0
540 ACUTE APPENDICITIS	14	4	10	14	4	10	0	0	0
541 APPENDICITIS, UNQUALIFIED	4	1	3	4	1	3	0	0	0
550-553 HERNIA OF ABDOMINAL CAVITY	47	20	27	46	19	27	1	1	0
550 INGUINAL HERNIA	6	4	2	6	4	2	0	0	0
551 OTHER HERNIA OF ABDOMINAL CAVITY, WITH GANGRENE	4	1	3	4	1	3	0	0	0
552 OTHER HERNIA OF ABDOMINAL CAVITY WITH OBSTRUCTION, WITHOUT MENTION OF GANGRENE	23	11	12	22	10	12	1	1	0
553 OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBSTRUCTION OR GANGRENE	14	4	10	14	4	10	0	0	0
555-558 NONINFECTIVE ENTERITIS AND COLITIS	259	77	182	256	77	179	3	0	3
555 REGIONAL ENTERITIS	17	2	15	17	2	15	0	0	0
556 IDIOPATHIC PROCTOCOLITIS	6	3	3	6	3	3	0	0	0
557 VASCULAR INSUFFICIENCY OF INTESTINE	206	65	141	204	65	139	2	0	2
558 OTHER NONINFECTIVE GASTROENTERITIS AND COLITIS	30	7	23	29	7	22	1	0	1
560-569 OTHER DISEASES OF INTESTINE AND PERITONEUM	285	93	192	278	89	189	7	4	3

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ICD. LIST NUMBER	CAUSE OF DEATH IX. DISEASES OF THE DIGESTIVE SYSTEM (CONTINUED)	T O T A L S			W H I T E			N O N-W H I T E		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
560	INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	99	39	60	97	38	59	2	1	1
562	DIVERTICULA OF INTESTINE	78	14	64	78	14	64	0	0	0
564	FUNCTIONAL DIGESTIVE DISORDERS, NOT ELSEWHERE CLASSIFIED	6	2	4	6	2	4	0	0	0
565	ANAL FISSURE AND FISTULA	1	0	1	1	0	1	0	0	0
566	ABCESS OF ANAL AND RECTAL REGIONS	3	2	1	3	2	1	0	0	0
567	PERITONITIS	30	17	13	29	16	13	1	1	0
568	OTHER DISORDERS OF PERITONEUM	4	3	1	3	2	1	1	1	0
569	OTHER DISORDERS OF INTESTINE	64	16	48	61	15	46	3	1	2
570-579	OTHER DISEASES OF DIGESTIVE SYSTEM	1363	787	576	1301	759	542	61	27	34
570	ACUTE AND SUBACUTE NECROSIS OF LIVER	10	2	8	10	2	8	0	0	0
571	CHRONIC LIVER DISEASE AND CIRRHOSIS	758	495	263	725	478	247	32	16	16
572	LIVER ABSCESS AND SEQUELAE OF CHRONIC LIVER DISEASE	134	84	50	122	79	43	12	5	7
573	OTHER DISORDERS OF LIVER	50	29	21	47	28	19	3	1	2
574	CHOLELITHIASIS	29	10	19	29	10	19	0	0	0
575	OTHER DISORDERS OF GALLBLADDER	50	25	25	49	24	25	1	1	0
576	OTHER DISORDERS OF BILIARY TRACT	25	10	15	25	10	15	0	0	0
577	DISEASES OF PANCREAS	67	35	32	61	34	27	6	1	5
578	GASTROINTESTINAL HAEMORRHAGE	237	95	142	230	92	138	7	3	4
579	INTESTINAL MALABSORPTION	3	2	1	3	2	1	0	0	0
*580-629	X. DISEASES OF THE GENITOURINARY SYSTEM	1015	451	564	957	423	534	58	28	30
580-589	NEPHRITIS AND NEPHROSIS	592	281	311	554	260	294	38	21	17
580	ACUTE GLOMERULONEPHRITIS	2	1	1	2	1	1	0	0	0
581	NEPHROTIC SYNDROME	7	1	6	7	1	6	0	0	0
582	CHRONIC GLOMERULONEPHRITIS	21	11	10	19	10	9	2	1	1
583	NEPHRITIS AND NEPHROPATHY, NOT SPECIFIED AS ACUTE OR CHRONIC	9	5	4	9	5	4	0	0	0
584	ACUTE RENAL FAILURE	98	51	47	91	45	46	7	6	1
585	CHRONIC RENAL FAILURE	126	54	72	112	49	63	14	5	9
586	RENAL FAILURE, UNSPECIFIED	328	158	170	313	149	164	15	9	6
588	DISORDERS RESULTING FROM IMPAIRED RENAL FUNCTION	1	0	1	1	0	1	0	0	0
590-599	OTHER DISEASES OF URINARY SYSTEM	400	154	246	380	147	233	20	7	13
590	INFECTIONS OF KIDNEY	41	15	26	39	14	25	2	1	1
591	HYDRONEPHROSIS	5	4	1	3	2	1	2	2	0
592	CALCULUS OF KIDNEY AND URETER	10	5	5	10	5	5	0	0	0
593	OTHER DISORDERS OF KIDNEY AND URETER	41	24	17	37	23	14	4	1	3
595	CYSTITIS	5	2	3	5	2	3	0	0	0
596	OTHER DISORDERS OF BLADDER	8	5	3	8	5	3	0	0	0
598	URETHRAL STRICTURE	1	0	1	1	0	1	0	0	0
599	OTHER DISORDERS OF URETHRA AND URINARY TRACT	289	99	190	277	96	181	12	3	9
600-608	DISEASES OF MALE GENITAL ORGANS	16	16	0	16	16	0	0	0	0
600	HYPERPLASIA OF PROSTATE	9	9	0	9	9	0	0	0	0
602	OTHER DISORDERS OF PROSTATE	4	4	0	4	4	0	0	0	0
608	OTHER DISORDERS OF MALE GENITAL ORGANS	3	3	0	3	3	0	0	0	0
610-611	DISORDERS OF BREAST	2	0	2	2	0	2	0	0	0
611	OTHER DISORDERS OF BREAST	2	0	2	2	0	2	0	0	0
614-616	INFLAMMATORY DISEASE OF FEMALE PELVIC	4	0	4	4	0	4	0	0	0

TABLE C-15 (CONTINUED)

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ICD. LIST NUMBER	CAUSE OF DEATH X. DISEASES OF THE GENITOURINARY SYSTEM (CONTINUED)	T O T A L S			W H I T E			N O N - W H I T E		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	ORGANS									
614	INFLAMMATORY DISEASE OF OVARY, FALLOPIAN TUBE, PELVIC CELLULAR TISSUE AND PERITONIUM	4	0	4	4	0	4	0	0	0
617-629	OTHER DISORDERS OF FEMALE GENITAL TRACT	1	0	1	1	0	1	0	0	0
619	FISTULAE INVOLVING FEMALE GENITAL TRACT	1	0	1	1	0	1	0	0	0
*630-676	XI. COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND PUERPERIUM	5	0	5	4	0	4	1	0	1
630-639	PREGNANCY WITH ABORTIVE OUTCOME	1	0	1	1	0	1	0	0	0
637	UNSPECIFIED ABORTION	1	0	1	1	0	1	0	0	0
640-648	COMPLICATIONS MAINLY RELATED TO PREGNANCY	1	0	1	1	0	1	0	0	0
642	HYPERTENSION COMPLICATING PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	1	0	1	1	0	1	0	0	0
650-659	NORMAL DELIVERY & OTHER INDICATIONS FOR CARE	1	0	1	1	0	1	0	0	0
654	ABNORMALITY OF ORGANS AND SOFT TISSUES OF PELVIS	1	0	1	1	0	1	0	0	0
660-669	COMPLICATIONS MAINLY DURING LABOUR AND DELIVERY	1	0	1	0	0	0	1	0	1
669	OTHER COMPLICATIONS OF LABOUR AND DELIVERY, NOT ELSEWHERE CLASSIFIED	1	0	1	0	0	0	1	0	1
670-676	COMPLICATIONS OF THE PUERPERIUM	1	0	1	1	0	1	0	0	0
674	OTHER AND UNSPECIFIED COMPLICATIONS OF THE PUERPERIUM NOT ELSEWHERE CLASSIFIED	1	0	1	1	0	1	0	0	0
*680-709	XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	117	45	72	108	42	66	9	3	6
680-686	INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	26	12	14	26	12	14	0	0	0
682	OTHER CELLULITIS AND ABSCESS	20	10	10	20	10	10	0	0	0
686	OTHER LOCAL INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	6	2	4	6	2	4	0	0	0
690-698	OTHER INFLAMMATORY CONDITIONS OF SKIN AND SUBCUTANEOUS TISSUE	9	2	7	8	1	7	1	1	0
694	BULLOUS DERMATOSES	4	0	4	4	0	4	0	0	0
695	ERYTHEMATOUS CONDITIONS	4	1	3	3	0	3	1	1	0
696	PSORIASIS AND SIMILAR DISORDERS	1	1	0	1	1	0	0	0	0
700-709	OTHER DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	82	31	51	74	29	45	8	2	6
707	CHRONIC ULCER OF SKIN	82	31	51	74	29	45	8	2	6

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ICD. LIST NUMBER	CAUSE OF DEATH	***** T O T A L S			W H I T E			N O N - W H I T E		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*710 739	XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	123	30	93	116	27	89	7	3	4
710-719	ARTHROPATHIES AND RELATED DISORDERS	89	17	72	84	14	70	5	3	2
710	DIFFUSE DISEASES OF CONNECTIVE TISSUE	38	6	32	35	5	30	3	1	2
711	ARTHROPATHY ASSOCIATED WITH INFECTIONS	7	3	4	6	2	4	1	1	0
714	RHEUMATOID ARTHRITIS AND OTHER INFLAMMATORY POLYARTHROPATHIES	32	5	27	31	4	27	1	1	0
715	OSTEOARTHRITIS AND ALLIED DISORDERS	7	2	5	7	2	5	0	0	0
716	OTHER AND UNSPECIFIED ARTHROPATHIES	4	0	4	4	0	4	0	0	0
718	OTHER DERANGEMENT OF JOINT	1	1	0	1	1	0	0	0	0
720-724	DORSOPATHIES	3	3	0	3	3	0	0	0	0
720	ANKYLOSING SPONDYLITIS AND OTHER INFLAMMATORY SPONDYLOPATHIES	1	1	0	1	1	0	0	0	0
722	INTERVERTEBRAL DISC DISORDERS	2	2	0	2	2	0	0	0	0
725-729	RHEUMATISM, EXCLUDING THE BACK	4	3	1	3	3	0	1	0	1
728	DISORDERS OF MUSCLE, LIGAMENT AND FASCIA	1	1	0	1	1	0	0	0	0
729	OTHER DISORDERS OF SOFT TISSUES	3	2	1	2	2	0	1	0	1
730-739	OSTEOPATHIES CHONDROPATHIES & ACQUIRED MUSCULOSKELETAL DEFORMITIES	27	7	20	26	7	19	1	0	1
730	OSTEOMYELITIS, PERIOSTITIS AND OTHER INFECTIONS INVOLVING BONE	12	3	9	11	3	8	1	0	1
731	OSTEITIS DEFORMANS AND OSTEOPATHIES ASSOCIATED WITH OTHER DISORDERS CLASSIFIED ELSEWHERE	5	1	4	5	1	4	0	0	0
733	OTHER DISORDERS OF BONE AND CARTILAGE	6	2	4	6	2	4	0	0	0
737	CURVATURE OF SPINE	4	1	3	4	1	3	0	0	0
*740 759	XIV. CONGENITAL ANOMALIES	303	162	141	272	147	125	31	15	16
740	ANENCEPHALUS AND SIMILAR ANOMALIES	9	4	5	7	3	4	2	1	1
741	SPINA BIFIDA	1	0	1	1	0	1	0	0	0
742	OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	21	12	9	20	12	8	1	0	1
745	BULBUS CORDIS ANOMALIES AND ANOMALIES OF CARDIAC SEPTAL CLOSURE	48	23	25	44	21	23	4	2	2
746	OTHER CONGENITAL ANOMALIES OF HEART	52	31	21	43	26	17	9	5	4
747	OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	39	21	18	35	20	15	4	1	3
748	CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	29	15	14	24	12	12	5	3	2
750	OTHER CONGENITAL ANOMALIES OF UPPER ALIMENTARY TRACT	4	1	3	4	1	3	0	0	0
751	OTHER CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	5	3	2	5	3	2	0	0	0
753	CONGENITAL ANOMALIES OF URINARY SYSTEM	15	11	4	14	10	4	1	1	0
756	OTHER CONGENITAL MUSCULOSKELETAL ANOMALIES	22	10	12	22	10	12	0	0	0
758	CHROMOSOMAL ANOMALIES	21	9	12	20	8	12	1	1	0
759	OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	37	22	15	33	21	12	4	1	3

TABLE C-15 (CONTINUED)

1985

ICD. LIST NUMBER	CAUSE OF DEATH	T O T A L S			W H I T E			N O N - W H I T E		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*760 779	XV. CERTAIN CONDITIONS ORIGINATING IN PERINATAL PERIOD	368	202	166	291	163	128	77	39	38
760	FETUS OR NEWBORN AFFECTED BY MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	2	2	0	2	2	0	0	0	0
761	FETUS OR NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	31	16	15	26	11	15	5	5	0
762	FETUS OR NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA CORD AND MEMBRANES	23	8	15	17	6	11	6	2	4
763	FETUS OR NEWBORN AFFECTED BY OTHER COMPLICATIONS OF LABOUR AND DELIVERY	2	0	2	1	0	1	1	0	1
764	SLOW FETAL GROWTH AND FETAL MALNUTRITION	1	1	0	1	1	0	0	0	0
765	DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTHWEIGHT	63	30	33	55	27	28	8	3	5
767	BIRTH TRAUMA	4	2	2	4	2	2	0	0	0
768	INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	28	17	11	26	15	11	2	2	0
769	RESPIRATORY DISTRESS SYNDROME	56	38	18	49	33	16	7	5	2
770	OTHER RESPIRATORY CONDITIONS OF FETUS AND NEWBORN	70	37	33	46	28	18	24	9	15
771	INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	15	10	5	11	7	4	4	3	1
772	FETAL AND NEONATAL HAEMORRHAGE	9	9	0	7	7	0	2	2	0
774	OTHER PERINATAL JAUNDICE	1	1	0	1	1	0	0	0	0
777	PERINATAL DISORDERS OF DIGESTIVE SYSTEM	5	2	3	3	1	2	2	1	1
778	CONDITIONS INVOLVING THE INTEGUMENT AND TEMPERATURE REGULATION OF FETUS AND NEWBORN	1	1	0	1	1	0	0	0	0
779	OTHER AND ILL-DEFINED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	57	28	29	41	21	20	16	7	9
*780 799	XVI. SYMPTOMS SIGNS, AND ILL-DEFINED CONDITIONS	336	187	149	298	162	136	36	23	13
780-789	SYMPTOMS	41	22	19	37	21	16	4	1	3
780	GENERAL SYMPTOMS	13	9	4	11	8	3	2	1	1
785	SYMPTOMS INVOLVING CARDIOVASCULAR SYSTEM	22	12	10	22	12	10	0	0	0
786	SYMPTOMS INVOLVING RESPIRATORY SYSTEM AND OTHER CHEST SYMPTOM	5	1	4	4	1	3	1	0	1
789	OTHER SYMPTOMS INVOLVING ABDOMEN AND PELVIS	1	0	1	0	0	0	1	0	1
790-796	NONSPECIFIC ABNORMAL FINDINGS	1	0	1	1	0	1	0	0	0
790	NONSPECIFIC FINDINGS ON EXAMINATION OF BLOOD	1	0	1	1	0	1	0	0	0
797-799	ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY	294	165	129	260	141	119	32	22	10
797	SENILITY WITHOUT MENTION OF PSYCHOSIS	15	3	12	15	3	12	0	0	0
798	SUDDEN DEATH, CAUSE UNKNOWN	77	51	26	58	38	20	19	13	6
799	OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY	202	111	91	187	100	87	13	9	4

TABLE C-15

1985

ICD. LIST NUMBER	CAUSE OF DEATH	T O T A L S			W H I T E			N O N - W H I T E		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
*800 999	XVII. EXTERNAL CAUSES OF INJURY AND POISONING	2779	1884	895	2562	1723	839	211	157	54
800-807	RAILWAY ACCIDENTS	7	7	0	7	7	0	0	0	0
805	HIT BY ROLLING STOCK	7	7	0	7	7	0	0	0	0
810-819	MOTOR VEHICLE TRAFFIC ACCIDENTS	803	582	221	752	542	210	47	37	10
810	INVOLVING COLLISION WITH TRAIN	2	1	1	2	1	1	0	0	0
812	OTHER ACCIDENT INVOLVING COLLISION WITH ANOTHER MOTOR VEHICLE	304	221	83	281	203	78	21	17	4
813	INVOLVING COLLISION WITH OTHER VEHICLE	14	8	6	14	8	6	0	0	0
814	INVOLVING COLLISION WITH PEDESTRIAN	162	100	62	150	91	59	11	8	3
815	OTHER ACCIDENT INVOLVING COLLISION ON THE HIGHWAY	202	161	41	192	152	40	9	8	1
816	DUE TO LOSS OF CONTROL, WITHOUT COLLISION ON THE HIGHWAY	59	53	6	56	50	6	3	3	0
817	NONCOLLISION ACCIDENT WHILE BOARDING OR ALIGHTING	1	0	1	1	0	1	0	0	0
818	OTHER NONCOLLISION MOTOR VEHICLE TRAFFIC ACCIDENT	20	12	8	19	12	7	1	0	1
819	OF UNSPECIFIED NATURE	39	26	13	37	25	12	2	1	1
820-825	MOTOR VEHICLE NONTRAFFIC ACCIDENTS	10	9	1	10	9	1	0	0	0
820	INVOLVING MOTOR-DRIVEN SNOW VEHICLE	3	3	0	3	3	0	0	0	0
821	INVOLVING OTHER OFF-ROAD MOTOR VEHICLE	3	2	1	3	2	1	0	0	0
822	OTHER ACCIDENT INVOLVING COLLISION WITH MOVING OBJECT	1	1	0	1	1	0	0	0	0
825	OTHER ACCIDENT OF OTHER AND UNSPECIFIED NATURE	3	3	0	3	3	0	0	0	0
826-829	OTHER ROAD VEHICLE ACCIDENTS	9	7	2	8	6	2	1	1	0
826	PEDAL CYCLE ACCIDENT	2	2	0	1	1	0	1	1	0
827	ANIMAL-DRAWN VEHICLE ACCIDENT	1	1	0	1	1	0	0	0	0
828	ACCIDENT INVOLVING ANIMAL BEING RIDDEN	3	1	2	3	1	2	0	0	0
829	OTHER ROAD VEHICLE ACCIDENTS	3	3	0	3	3	0	0	0	0
830-838	WATER TRANSPORT ACCIDENTS	16	16	0	14	14	0	2	2	0
830	ACCIDENT TO WATERCRAFT CAUSING SUBMERSION	9	9	0	7	7	0	2	2	0
832	OTHER ACCIDENTAL SUBMERSION OR DROWNING IN WATER TRANSPORT ACCIDENT	5	5	0	5	5	0	0	0	0
838	OTHER AND UNSPECIFIED WATER TRANSPORT ACCIDENT	2	2	0	2	2	0	0	0	0
840-845	AIR AND SPACE TRANSPORT ACCIDENTS	12	10	2	12	10	2	0	0	0
841	ACCIDENT TO POWERED AIRCRAFT, OTHER AND UNSPECIFIED	11	9	2	11	9	2	0	0	0
842	ACCIDENT TO UNPOWERED AIRCRAFT	1	1	0	1	1	0	0	0	0
850-858	ACCIDENTAL POISONING BY DRUGS AND MEDICAMENTS	60	41	19	60	41	19	0	0	0
850	BY ANALGESICS, ANTIPYRETIC, ANTIRHEUMATICS	11	9	2	11	9	2	0	0	0
851	BY BARBITURATES	1	1	0	1	1	0	0	0	0
853	BY TRANQUILLIZERS	1	0	1	1	0	1	0	0	0
854	BY OTHER PSYCHOTROPIC AGENTS	4	3	1	4	3	1	0	0	0
855	BY OTHER DRUGS ACTING ON CENTRAL AND AUTONOMIC NERVOUS SYSTEMS	12	7	5	12	7	5	0	0	0
856	BY ANTIBIOTICS	1	1	0	1	1	0	0	0	0
857	BY ANTI-INFECTIVES	1	1	0	1	1	0	0	0	0
858	BY OTHER DRUGS	29	19	10	29	19	10	0	0	0
860-869	ACCIDENTAL POISONING BY OTHER SUBSTANCES	18	14	4	16	13	3	2	1	1
	GASES AND VAPOURS									
860	BY ALCOHOL, NOT ELSEWHERE CLASSIFIED	4	2	2	3	2	1	1	0	1
862	BY PETROLEUM PRODUCTS, OTHER SOLVENTS AND THEIR VAPOURS, NOT ELSEWHERE CLASSIFIED	1	1	0	0	0	0	1	1	0

TABLE C-15 (CONTINUED)

1985

ICD. LIST NUMBER	CAUSE OF DEATH	T O T A L S			W H I T E			N O N - W H I T E		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	XVII. EXTERNAL CAUSES OF INJURY AND POISONING (CONTINUED)									
868	BY OTHER UTILITY GAS AND OTHER CARBON MONOXIDE	11	9	2	11	9	2	0	0	0
869	BY OTHER GASES AND VAPOURS	2	2	0	2	2	0	0	0	0
870-876	MISADVENTURE TO PATIENTS DURING SURGICAL AND MEDICAL CARE	1	1	0	1	1	0	0	0	0
870	ACCIDENTAL CUT, PUNCTURE, PERFORATION OR HAEMORRHAGE DURING MEDICAL CARE	1	1	0	1	1	0	0	0	0
878-879	SURGICAL & MEDICAL PROCEDURES AS CAUSE OF LATER COMPLICATION	65	30	35	62	28	34	3	2	1
878	SURGICAL OPERATION/OTHER PROCEDURES AS CAUSE OF ABNORMAL REACTION/LATER COMPLICATION W/O MENTION AT TIME OF OPERATION	55	28	27	53	26	27	2	2	0
879	OTHER PROCEDURES W/O MENTION AT TIME, AS CAUSE OF ABNORMAL REACTION OR LATER COMPLICATION	10	2	8	9	2	7	1	0	1
880-888	ACCIDENTAL FALLS	401	184	217	389	175	214	12	9	3
880	FALL ON OR FROM STAIRS OR STEPS	68	31	37	62	28	34	6	3	3
881	FALL ON OR FROM LADDERS OR SCAFFOLDING	11	11	0	10	10	0	1	1	0
882	FALL FROM OR OUT OF BUILDING OR OTHER STRUCTURE	14	12	2	12	10	2	2	2	0
883	FALL INTO HOLE OR OTHER OPENING IN SURFACE	1	1	0	1	1	0	0	0	0
884	OTHER FALL FROM ONE LEVEL TO ANOTHER	42	26	16	41	25	16	1	1	0
885	FALL ON SAME LEVEL FROM SLIPPING, TRIPPING OR STUMBLING	10	8	2	10	8	2	0	0	0
887	FRACTURE, CAUSE UNSPECIFIED	120	36	84	119	35	84	1	1	0
888	OTHER AND UNSPECIFIED FALL	135	59	76	134	58	76	1	1	0
890-899	ACCIDENTS CAUSED BY FIRES AND FLAMES	81	48	33	71	40	31	10	8	2
890	CONFLAGRATION IN PRIVATE DWELLING	60	38	22	51	30	21	9	8	1
891	CONFLAGRATION IN OTHER AND UNSPECIFIED BUILDING OR STRUCTURE	6	2	4	5	2	3	1	0	1
892	CONFLAGRATION NOT IN BUILDING OR STRUCTURE	3	2	1	3	2	1	0	0	0
893	ACCIDENT CAUSED BY IGNITION OF CLOTHING	9	3	6	9	3	6	0	0	0
894	IGNITION OF HIGHLY INFLAMMABLE MATERIAL	2	2	0	2	2	0	0	0	0
898	ACCIDENT CAUSED BY OTHER SPECIFIED FIRE AND FLAMES	1	1	0	1	1	0	0	0	0
900-909	ACCIDENTS CAUSED BY NATURAL AND ENVIRONMENTAL FACTORS	27	18	9	25	16	9	2	2	0
900	EXCESSIVE HEAT	1	1	0	1	1	0	0	0	0
901	EXCESSIVE COLD	14	10	4	13	9	4	1	1	0
902	HIGH AND LOW AIR PRESSURE AND CHANGES IN AIR PRESSURE	1	1	0	1	1	0	0	0	0
904	HUNGER, THIRST, EXPOSURE, NEGLECT	9	5	4	8	4	4	1	1	0
905	VENOMOUS ANIMALS AND PLANTS AS THE CAUSE OF POISONING AND TOXIC REACTIONS	1	1	0	1	1	0	0	0	0
906	OTHER INJURY CAUSED BY ANIMALS	1	0	1	1	0	1	0	0	0
910-915	ACCIDENTS CAUSED BY SUBMERSION SUFFOCATION & FOREIGN BODIES	228	135	93	215	126	89	13	9	4
910	ACCIDENTAL DROWNING AND SUBMERSION	65	52	13	58	48	10	7	4	3
911	INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	65	32	33	63	30	33	2	2	0
912	INHALATION AND INGESTION OF OTHER OBJECT CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	74	34	40	70	31	39	4	3	1

TABLE C-15

1985

ICD. LIST NUMBER	CAUSE OF DEATH XVII. EXTERNAL CAUSES OF INJURY AND POISONING (CONTINUED)	T O T A L S			W H I T E			N O N - W H I T E		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
913	ACCIDENTAL MECHANICAL SUFFOCATION	24	17	7	24	17	7	0	0	0
916-928	OTHER ACCIDENTS	123	89	34	110	80	30	12	8	4
916	STRUCK ACCIDENTALLY BY FALLING OBJECT	13	13	0	11	11	0	2	2	0
917	STRIKING AGAINST OR STRUCK ACCIDENTALLY BY OBJECTS OR OR PERSON	4	3	1	4	3	1	0	0	0
918	CAUGHT ACCIDENTALLY IN OR BETWEEN OBJECTS	2	2	0	2	2	0	0	0	0
919	ACCIDENTS CAUSED BY MACHINERY	12	11	1	10	9	1	1	1	0
920	ACCIDENTS CAUSED BY CUTTING AND PIERCING INSTRUMENTS OR OBJECT	4	4	0	4	4	0	0	0	0
921	ACCIDENT CAUSED BY EXPLOSION OF PRESSURE VESSEL	1	0	1	1	0	1	0	0	0
922	ACCIDENT CAUSED BY FIREARM MISSILE	9	9	0	9	9	0	0	0	0
923	ACCIDENT CAUSED BY EXPLOSIVE MATERIAL	4	4	0	4	4	0	0	0	0
924	ACCIDENT CAUSED BY HOT SUBSTANCE OR OBJECT, CAUSTIC OR CORROSION MATERIAL AND STEAM	6	3	3	4	1	3	2	2	0
925	ACCIDENT CAUSED BY ELECTRIC CURRENT	10	10	0	10	10	0	0	0	0
927	OVEREXERTION AND STRENUOUS MOVEMENTS	1	1	0	0	0	0	1	1	0
928	OTHER AND UNSPECIFIED ENVIRONMENTAL AND ACCIDENTAL CAUSES	57	29	28	51	27	24	6	2	4
929-929	LATE EFFECTS OF ACCIDENTAL INJURY	13	9	4	13	9	4	0	0	0
929	LATE EFFECTS OF ACCIDENTAL INJURY	13	9	4	13	9	4	0	0	0
930-949	DRUGS MEDICAMENTS AND BIOLOGICAL SUB- STANCES IN THERAPY	3	1	2	3	1	2	0	0	0
930	ANTIBIOTICS	1	1	0	1	1	0	0	0	0
942	AGENTS PRIMARILY AFFECTING THE CARDIOVASCULAR SYSTEM	1	0	1	1	0	1	0	0	0
947	OTHER AND UNSPECIFIED DRUGS AND MEDICAMENTS	1	0	1	1	0	1	0	0	0
950-959	SUICIDE AND SELF-INFLICTED INJURY	547	425	122	532	416	116	14	9	5
950	BY SOLID OR LIQUID SUBSTANCES	78	28	50	74	27	47	3	1	2
951	BY GASES IN DOMESTIC USE	2	2	0	2	2	0	0	0	0
952	BY OTHER GASES AND VAPOURS	74	62	12	74	62	12	0	0	0
953	BY HANGING, STRANGULATION AND SUFFOCATION	171	144	27	166	141	25	5	3	2
954	BY SUBMERSION (DROWNING)	12	12	0	11	11	0	1	1	0
955	BY FIREARMS AND EXPLOSIVES	165	143	22	163	142	21	2	1	1
956	BY CUTTING AND PIERCING INSTRUMENTS	10	9	1	10	9	1	0	0	0
957	BY JUMPING FROM HIGH PLACE	26	21	5	23	18	5	3	3	0
958	BY OTHER AND UNSPECIFIED MEANS	8	4	4	8	4	4	0	0	0
959	LATE EFFECTS OF SELF-INFLICTED INJURY	1	0	1	1	0	1	0	0	0
960-969	HOMICIDE AND INJURY PURPOSELY INFLICTED BY OTHER PERSONS	220	157	63	149	106	43	71	51	20
960	FIGHT, BRAWL, RAPE	1	1	0	1	1	0	0	0	0
963	ASSAULT BY HANGING AND STRANGULATION	19	6	13	11	4	7	8	2	6
965	ASSAULT BY FIREARMS AND EXPLOSIVES	91	77	14	60	49	11	31	28	3
966	ASSAULT BY CUTTING AND PIERCING INSTRUMENT	54	38	16	36	24	12	18	14	4
968	ASSAULT BY OTHER AND UNSPECIFIED MEANS	54	34	20	40	27	13	14	7	7
969	LATE EFFECTS OF INJURY PURPOSELY INFLICTED BY OTHER PERSON	1	1	0	1	1	0	0	0	0
970-978	LEGAL INTERVENTION	2	2	0	0	0	0	2	2	0
970	BY FIREARMS	2	2	0	0	0	0	2	2	0
980-989	INJURY UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	133	99	34	113	83	30	20	16	4

TABLE C-15 (CONTINUED)

1985

ICD. LIST NUMBER	CAUSE OF DEATH	T O T A L S			W H I T E			N O N - W H I T E		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
	XVII. EXTERNAL CAUSES OF INJURY AND POISONING (CONTINUED)									
980	POISONING BY SOLID OR LIQUID SUBSTANCES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	93	66	27	78	55	23	15	11	4
982	POISONING BY OTHER GASES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	4	2	2	4	2	2	0	0	0
983	HANGING, STRANGULATION OR SUFFOCATION, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	3	3	0	3	3	0	0	0	0
984	SUBMERSION (DROWNING), UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	11	9	2	11	9	2	0	0	0
985	INJURY BY FIREARMS AND EXPLOSIVES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	1	1	0	1	1	0	0	0	0
986	INJURY BY CUTTING AND PIERCING INSTRUMENTS, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	1	1	0	1	1	0	0	0	0
987	FALLING FROM HIGH PLACE, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	2	1	1	2	1	1	0	0	0
988	INJURY BY OTHER AND UNSPECIFIED MEANS, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	18	16	2	13	11	2	5	5	0
***	RESIDENT GRAND TOTALS	55590	27227	28363	53573	26132	27441	19931	1080	913
TOTALS INCLUDE 24 OF UNKNOWN RACE: 15 MALES AND 9 FEMALES.										

NEONATAL AND INFANT DEATHS

SECTION D

NEONATAL AND INFANT DEATHS

Resident infant deaths (deaths less than 1 year) increased in Massachusetts from 699 in 1984 to 745 in 1985, an increase of 6.6%. The rate of infant deaths also increased from 8.9 per 1,000 population in 1984 to 9.1 in 1985. As with live births and deaths, all infant deaths to Massachusetts residents include all infant deaths to Massachusetts residents regardless of the state in which they occurred. Neonatal deaths (deaths under 28 days) also increased from 472 in 1984 to 538 in 1985, an increase of 14.0%. The rate of neonatal deaths per 1,000 live births showed an increase from 6.0 in 1984 to 6.6 in 1985. These numbers demonstrate that there was an actual decrease in deaths in the post neonatal stage with all of the increases occurring in the neonatal age.

INFANT DEATHS BY RACE

The number and rate of infant and neonatal deaths for nonwhites increased markedly from 1984 to 1985 as shown in the table below:

NONWHITE	1984	1985
INFANT DEATHS		
NUMBER	95	137
RATE	12.9	16.9
NEONATAL DEATHS		
NUMBER	58	91
RATE	7.9	11.3

Most of the increase in infant deaths in 1984 actually occurred within the nonwhite population.

This increase in infant mortality has triggered the reconvening of the Department of Public Health's Task Force on Infant Mortality to determine the cause and programmatic issues that should be considered to alleviate this alarming increase.

INFANT DEATHS BY AGE

Overall, 43.5% of infant deaths occurred within the first 24 hours and 60.5% within the first week of life. These percentages remain relatively stable by race.

INFANT DEATHS BY CAUSE

The cause of infant deaths did not vary from 1984 to 1985. The leading cause of death was "Certain Conditions Originating in the Perinatal Period" which accounted for 49.0% of infant deaths and congenital anomalies for 26.7%. Cause of death information in this report is based on underlying cause of death rather than conditions listed on the record. The coding of cause of death on infant deaths is done in the same manner as that of deaths to older individuals.

NEONATAL MORTALITY BY BIRTHWEIGHT

Neonatal mortality is strongly related to birthweight. Low birthweight babies (under 2500 grams or 5 pounds, 8 ounces) accounted for approximately 5.6% of all babies born in Massachusetts in 1985, but neonatal deaths matched with birth records reflected almost 56% of the deaths were to babies of low birthweight.

HEALTH OBJECTIVES FOR 1990

The U.S. Department of Health and Human Services has developed health objectives for 1990 in numerous areas (HEALTHY PEOPLE: Surgeon General's Report on Health Promotion and Disease Prevention; 1979). The midpoint of the decade is a good place to assess where Massachusetts stands for the objectives regarding infant mortality.

1990 OBJECTIVE

Infant mortality rate should not exceed nine deaths per 1,000 live births.

MASSACHUSETTS-1985

9.1 deaths per 1,000 live births.

1990 OBJECTIVE

Neonatal mortality rate should not exceed 6.5 deaths per 1,000 live births.

MASSACHUSETTS-1985

In 1985, the Massachusetts rate was 6.6 per 1,000 live births.

1990 OBJECTIVE

No racial or ethnic group of the population should have an infant mortality rate in excess of 12 deaths per 1,000 live births.

MASSACHUSETTS-1985

The nonwhite infant mortality rate was 16.9 in 1985.

DEFINITIONS AND RATES IMPORTANT FOR THIS SECTION INCLUDE:

INFANT DEATH

Death of a person whose age is less than one year.

NEONATAL DEATH

Death of a person whose age is less than 28 days.

FETAL DEATH

A fetal death is a death prior to the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of the pregnancy; the death is indicated by the fact that after such separation the fetus does not breathe or show any other evidence of life, such as the beating of the heart, pulsation of the umbilical cord, or definite movement of the voluntary muscles.

Massachusetts law requires that fetal deaths of 20 or more weeks gestation or of a weight of at least 350 grams be reported; therefore the fetal deaths referred to in this report are of that gestational age or weight.

INFANT MORTALITY RATE $\frac{\text{No. of Resident Deaths at Less Than 1 Year of Age}}{\text{Total Live Births}} \times 1,000$

NEONATAL MORTALITY RATE $\frac{\text{No. of Resident Deaths at Less Than 28 Days of Age}}{\text{Total Live Births}} \times 1,000$

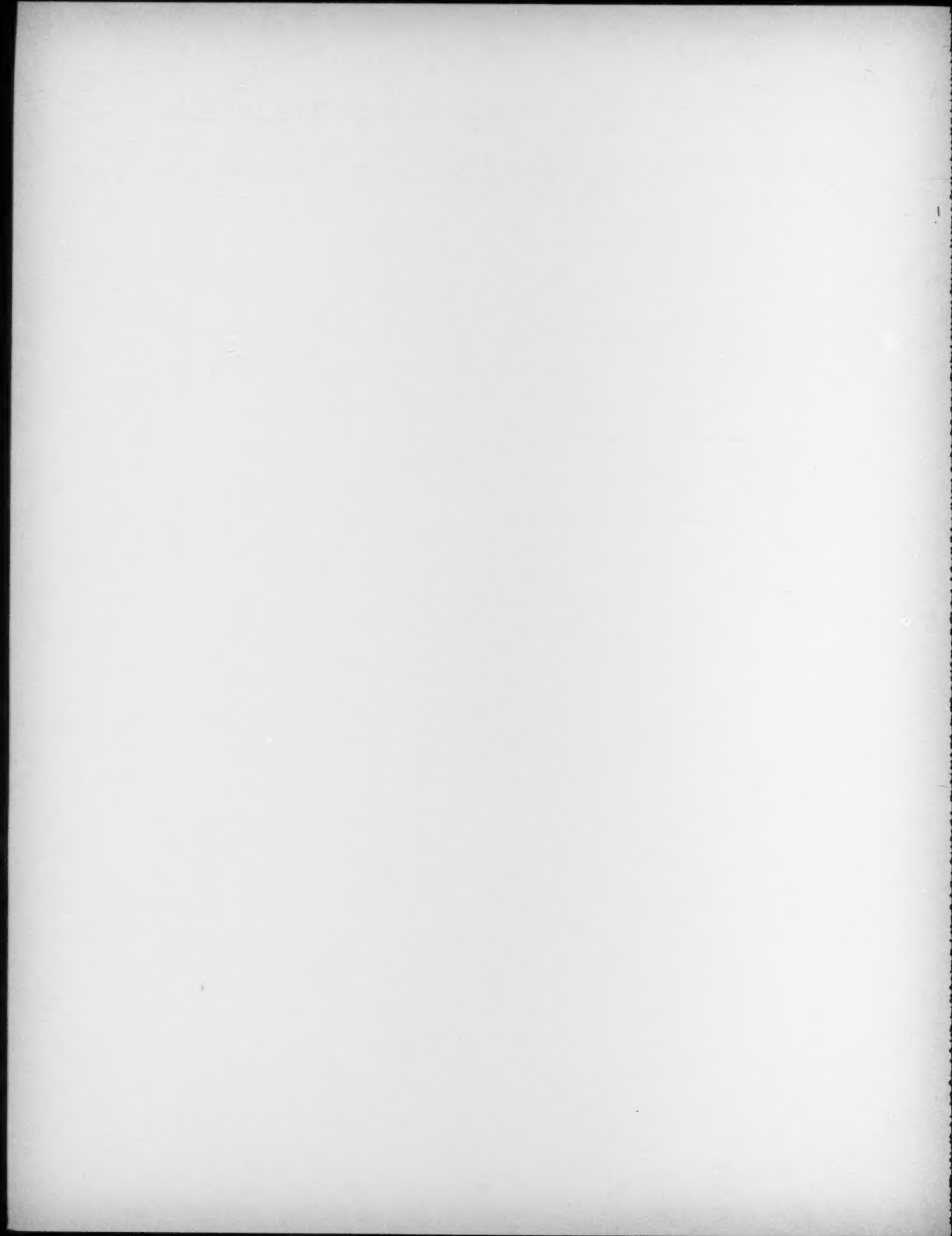


FIGURE D-1

NEONATAL AND INFANT DEATH RATES MASSACHUSETTS AND UNITED STATES

1970-1985

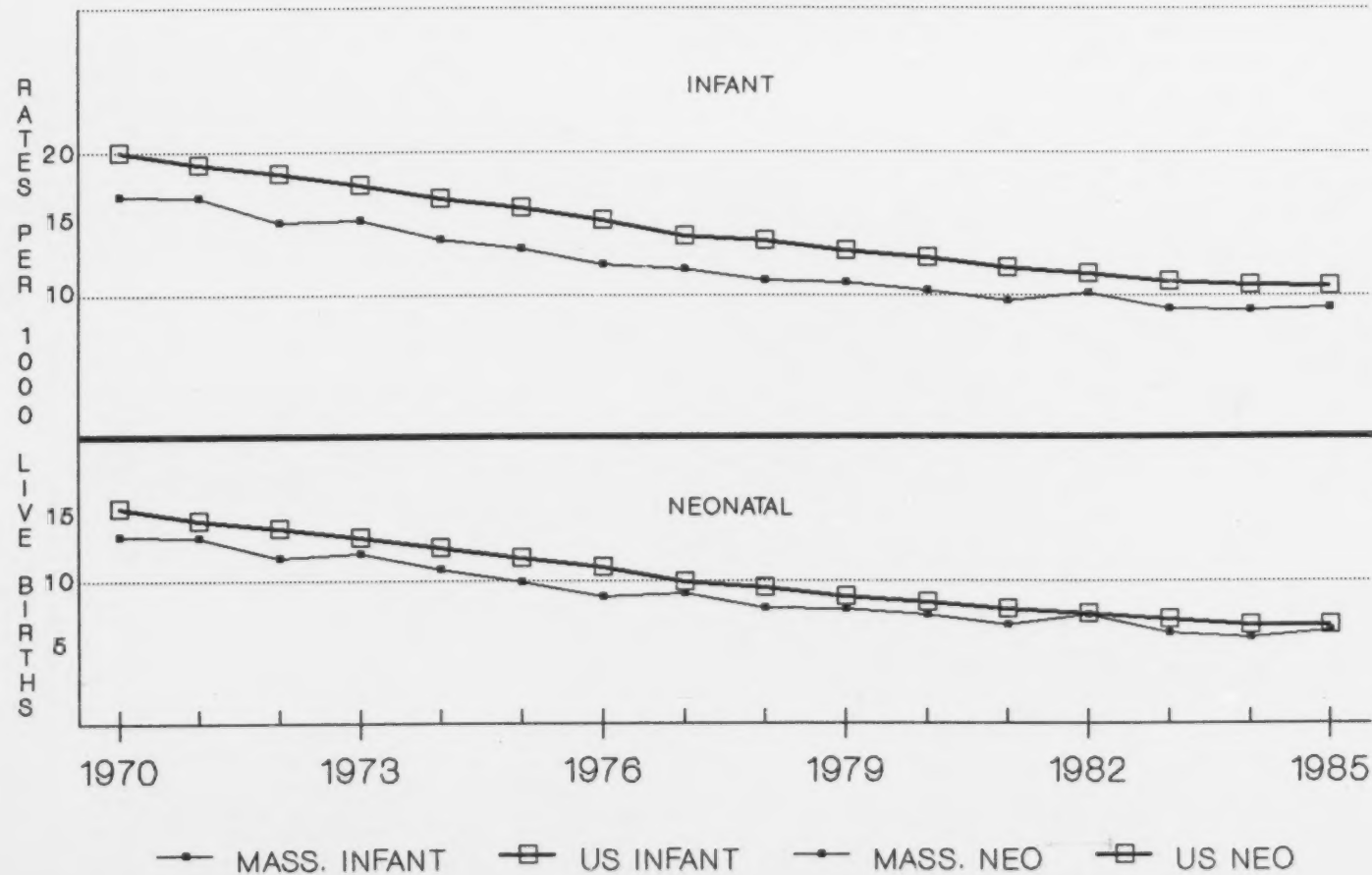


TABLE D-1
RESIDENT INFANT AND NEONATAL DEATHS, MASSACHUSETTS AND UNITED STATES
1970-1985

YEAR	DEATHS UNDER ONE YEAR			DEATHS UNDER 28 DAYS		
	MASS. NUMBER	PER 1,000 LIVE BIRTHS		MASS. NUMBER	PER 1,000 LIVE BIRTHS	
		MASS.	U.S.		MASS.	U.S.
1970	1,583	16.9	20.0	1,231	13.1	15.1
1971	1,462	16.8	19.1	1,130	13.0	14.2
1972	1,164	15.1	18.5	896	11.6	13.6
1973	1,104	15.2	17.7	861	11.9	13.0
1974	976	13.9	16.7	763	10.8	12.3
1975	903	13.2	16.1	678	9.9	11.6
1976	799	12.1	15.2	585	8.9	10.9
1977	806	11.8	14.1	616	9.1	9.9
1978	753	11.0	13.8	552	8.1	9.5
1979	760	10.8	13.1	564	8.0	8.9
1980	748	10.3	12.6	550	7.6	8.5
1981	710	9.6	11.9	510	6.9	8.0
1982	764	10.1	11.5	573	7.6	7.7
1983	682	9.0	11.2	482	6.3	7.3
1984	699	8.9	10.8*	472	6.0	6.9
1985	745	9.1	10.6	538	6.6	7.0
* REVISED						

Figure D - 2
NEONATAL AND INFANT DEATH RATES BY RACE
MASSACHUSETTS RESIDENT DEATHS
1975 - 1985

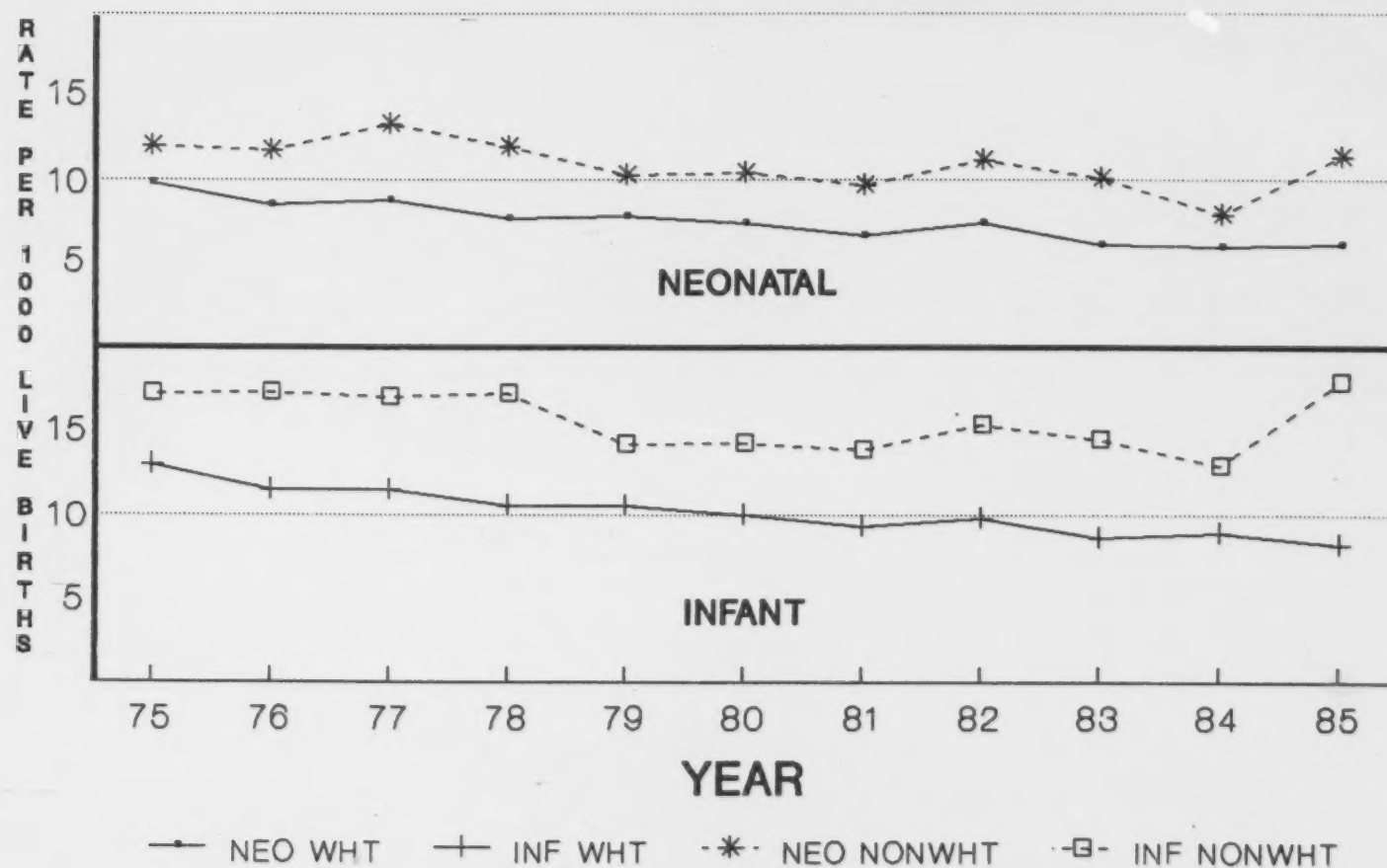


TABLE D-2
INFANT AND NEONATAL DEATHS BY AGE, SEX AND RACE, MASSACHUSETTS RESIDENTS
1985

	- TOTAL -			- WHITE -			- NON-WHITE -		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL LESS THAN 1 YEAR* RATE	745 9.1	415 9.9	330 8.3	607 8.2	341 9.0	266 7.4	137 16.9	73 17.6	64 16.3
LESS THAN 1 DAY*	324	177	147	264	144	120	59	32	27
1 DAY	44	21	23	37	19	18	7	2	5
2 DAYS	25	16	9	24	15	9	1	1	0
3 DAYS	16	11	5	12	7	5	4	4	0
4 DAYS	15	6	9	14	6	8	1	0	1
5 DAYS	16	6	10	12	5	7	4	1	3
6 DAYS	10	6	4	7	3	4	3	3	0
LESS THAN 1 WEEK*	450	243	207	370	199	171	79	43	36
7-13 DAYS	44	28	16	39	27	12	5	1	4
14-27 DAYS	44	33	11	37	27	10	7	6	1
LESS THAN 28 DAYS* RATE	538 6.6	304 7.3	234 5.9	446 6.0	253 6.7	193 5.4	91 11.3	50 12.0	41 10.4
1 MONTH	44	22	22	30	15	15	14	7	7
2 MONTHS	50	29	21	41	24	17	9	5	4
3 MONTHS	24	14	10	19	11	8	5	3	2
4 MONTHS	27	10	17	22	10	12	5	0	5
5 MONTHS	15	9	6	13	8	5	2	1	1
6 MONTHS	8	6	2	7	5	2	1	1	0
7 MONTHS	11	7	4	8	5	3	3	2	1
8 MONTHS	9	3	6	7	2	5	2	1	1
9 MONTHS	9	5	4	7	3	4	2	2	0
10 MONTHS	4	1	3	1	0	1	3	1	2
11 MONTHS	6	5	1	6	5	1	0	0	0

*TOTALS INCLUDE ONE MALE OF UNKNOWN RACE.

FIGURE D-3
NEONATAL DEATHS BY MEAN BIRTHWEIGHT
1970-1985

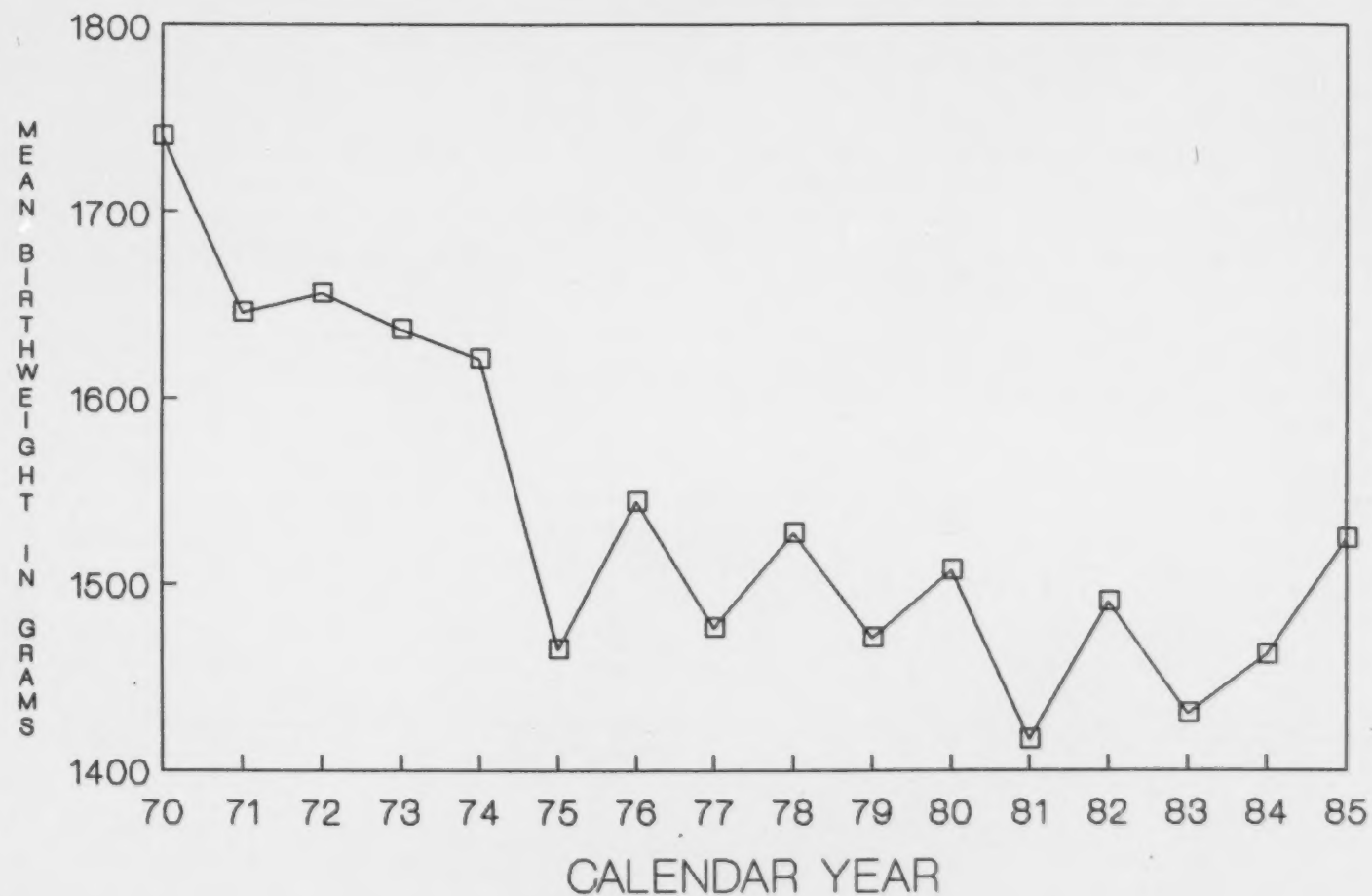


TABLE D-3
NEONATAL AND INFANT DEATHS BY CAUSE, AGE AND SEX, MASSACHUSETTS RESIDENTS
1985

	SEX	TOTAL	- NEONATAL AGE -			- POST NEONATAL AGE -			
			<1 DAY	1-6 DAYS	7-27 DAYS	1-3 MOS	4-6 MOS	7-9 MOS	10-11 MOS
TOTAL	M	415	177	66	61	65	25	15	6
	F	330	147	60	27	53	25	14	4
	T N	745	324	126	88	118	50	29	10
	%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DISEASES OF THE NERVOUS SYSTEM & SENSE ORGANS (320-389)	M	6	0	1	0	0	4	0	1
	F	2	0	0	0	2	0	0	0
	T N	8	0	1	0	2	4	0	1
	%	1.1	0.0	0.8	0.0	1.7	8.0	0.0	10.0
DISEASES OF THE CIRCULATORY SYSTEM (390-459)	M	9	1	3	3	2	0	0	0
	F	12	0	0	2	3	3	3	1
	T N	21	1	3	5	5	3	3	1
	%	2.8	0.3	2.4	5.7	4.2	6.0	10.3	10.0
DISEASES OF THE RESPIRATORY SYSTEM (460-519)	M	6	1	0	0	2	1	2	0
	F	6	0	0	0	4	2	0	0
	T N	12	1	0	0	6	3	2	0
	%	1.6	0.3	0.0	0.0	5.1	6.0	6.9	0.0
DISEASES OF THE DIGESTIVE SYSTEM (520-579)	M	4	0	0	1	2	1	0	0
	F	5	0	0	0	2	1	1	1
	T N	9	0	0	1	4	2	1	1
	%	1.2	0.0	0.0	1.1	3.4	4.0	3.5	10.0
CONGENITAL ANOMALIES (740-759)									
Of nervous system (740-742)	M	10	6	2	1	1	0	0	0
	F	8	3	3	0	2	0	0	0
	T	18	9	5	1	3	0	0	0
Of heart and cir- culatory systems (745-747)	M	45	3	16	10	8	5	1	2
	F	37	4	16	3	5	5	4	0
	T	82	7	32	13	13	10	5	2
Of respiratory system (748)	M	15	12	3	0	0	0	0	0
	F	14	9	3	0	1	1	0	0
	T	29	21	6	0	1	1	0	0
Chromosomal anomalies (758)	M	5	0	0	3	2	0	0	0
	F	7	0	3	0	3	1	0	0
	T	12	0	3	3	5	1	0	0
Other congenital anomalies (749-757, 759)	M	34	26	5	1	1	1	0	0
	F	24	12	4	1	2	3	1	1
	T	58	38	9	2	3	4	1	1
TOTAL CONGENITAL ANOMALIES	M	109	47	26	15	12	6	1	2
	F	90	28	29	4	13	10	5	1
	T N	199	75	55	19	25	16	6	3
	%	26.7	23.2	43.7	21.6	21.2	32.0	20.7	30.0

TABLE D-3 (continued)
NEONATAL AND INFANT DEATHS BY CAUSE, AGE AND SEX, MASSACHUSETTS RESIDENTS
1985

	SEX	TOTAL	- NEONATAL AGE -			- POST NEONATAL AGE -			
			<1 DAY	1-6 DAYS	7-27 DAYS	1-3 MOS	4-6 MOS	7-9 MOS	10-11 MOS
CERTAIN CONDITIONS ORIGINATING IN PERI- NATAL PERIOD (760-779)									
Maternal conditions (760-763)	M	26	24	2	0	0	0	0	0
	F	32	30	2	0	0	0	0	0
	T	58	54	4	0	0	0	0	0
Disorders relating to short gestation (765)	M	30	30	0	0	0	0	0	0
	F	33	31	2	0	0	0	0	0
	T	63	61	2	0	0	0	0	0
Interuterine hypoxia & birth asphyxia (768)	M	16	9	4	2	0	1	0	0
	F	11	6	1	4	0	0	0	0
	T	27	15	5	6	0	1	0	0
Respiratory distress syndrome (769)	M	37	17	9	10	1	0	0	0
	F	18	7	7	4	0	0	0	0
	T	55	24	16	14	1	0	0	0
Other respiratory infections of newborn (770)	M	37	20	7	6	1	2	0	1
	F	33	14	11	4	2	1	1	0
	T	70	34	18	10	3	3	1	1
Other and ill- defined (767, 771-779)	M	53	24	13	14	2	0	0	0
	F	39	29	5	4	1	0	0	0
	T	92	53	18	18	3	0	0	0
TOTAL OF CERTAIN CON- DITIONS ORIGINATING IN THE PERINATAL PERIOD	M	199	124	35	32	4	3	0	1
	F	166	117	28	16	3	1	1	0
	T N	365	241	63	48	7	4	1	1
	%	49.0	74.4	50.0	54.6	5.9	8.0	3.5	10.0
SUDDEN INFANT DEATH SYNDROME (7980)	M	49	0	0	3	37	7	2	0
	F	26	0	0	1	18	6	1	0
	T N	75	0	0	4	55	13	3	0
	%	10.1	0.0	0.0	4.5	46.6	26.0	10.3	0.0
EXTERNAL CAUSES (800-999)	M	10	0	0	1	2	0	6	1
	F	9	1	0	0	4	2	1	1
	T N	19	1	0	1	6	2	7	2
	%	2.6	0.3	0.0	1.1	5.1	4.0	24.1	20.0
ALL OTHER CAUSES	M	23	4	1	6	4	3	4	1
	F	14	1	3	4	4	0	2	0
	T N	37	5	4	10	8	3	6	1
	%	5.0	1.5	3.1	11.4	6.8	6.0	20.7	10.0

TABLE D-4
NEONATAL MORTALITY BY BIRTHWEIGHT*, MASSACHUSETTS RESIDENTS
1970-1985

ALL BIRTHWEIGHTS			1970-1985					UNKNOWN
			<500 gms	500- 1499 gms	1500- 2499 gms	2500- 4499 gms	4500- 8165 gms	
1970	DEATHS	1,255	79	536	319	297	4	20
	BIRTHS	96,507	85	894	6,197	88,093	1,196	42
	RATE	13.0	929.4	599.6	51.5	3.4	3.3	
1971	DEATHS	1,138	77	517	286	245	4	9
	BIRTHS	89,478	79	837	5,414	81,962	1,168	18
	RATE	12.7	974.7	617.7	52.8	3.0	3.4	
1972	DEATHS	899	58	420	202	204	2	13
	BIRTHS	79,161	61	719	4,783	72,483	1,088	27
	RATE	11.4	950.8	584.1	42.2	2.8	1.8	
1973	DEATHS	872	79	410	169	202	5	7
	BIRTHS	74,190	84	713	4,500	67,841	1,040	12
	RATE	11.8	940.5	575.0	37.6	3.0	4.8	
1974	DEATHS	772	70	362	157	166	4	13
	BIRTHS	71,900	77	639	4,078	66,081	999	26
	RATE	10.7	909.1	566.5	38.5	2.5	4.0	
1975	DEATHS	661	75	339	112	123	2	10
	BIRTHS	69,726	98	665	3,997	63,976	967	23
	RATE	9.5	765.3	509.8	28.0	1.9	2.1	
1976	DEATHS	568	61	272	90	122	4	19
	BIRTHS	67,618	63	621	3,807	61,980	1,101	46
	RATE	8.4	968.3	438.0	23.6	2.0	3.6	
1977	DEATHS	604	66	294	96	124	0	24
	BIRTHS	69,539	72	635	3,760	63,861	1,161	50
	RATE	8.7	916.7	463.0	25.5	1.9	0	
1978	DEATHS	573	71	261	84	119	3	35
	BIRTHS	70,269	74	642	3,784	64,467	1,246	56
	RATE	8.2	959.5	406.5	22.2	1.8	2.4	
1979	DEATHS	579	75	290	92	105	2	15
	BIRTHS	72,295	72	660	3,660	66,439	1,395	69
	RATE	8.0	1041.7	439.4	25.1	1.6	1.4	
1980	DEATHS	565	89	248	76	118	4	30
	BIRTHS	74,251	91	653	3,745	68,245	1,450	67
	RATE	7.6	978.0	379.8	20.3	1.7	2.8	
1981	DEATHS	482	77	208	58	99	4	36
	BIRTHS	75,546	84	662	3,735	69,512	1,501	52
	RATE	6.4	916.7	314.2	15.5	1.4	2.7	
1982	DEATHS	589	95	276	71	128	3	16
	BIRTHS	77,441	91	748	3,685	71,339	1,525	53
	RATE	7.6	1044.0	369.0	19.3	1.8	2.0	
1983	DEATHS	513	97	223	55	109	4	25
	BIRTHS	77,737	87	703	3,749	71,500	1,632	66
	RATE	6.6	1114.9	317.2	14.7	1.5	2.5	
1984	DEATHS	506	94	186	63	99	3	61
	BIRTHS	79,752	97	675	3,900	73,282	1,725	73
	RATE	6.3	969.1	275.6	16.2	1.4	1.7	
1985	DEATHS	596	120	211	83	140	7	35
	BIRTHS	83,362	122	769	3,947	76,666	1,782	76
	RATE	7.1	983.6	274.4	21.0	1.8	3.9	

*THE FIGURES USED IN THIS TABLE CANNOT BE DIRECTLY COMPARED WITH OTHER TABLES IN THIS REPORT. NEONATAL MORTALITY STATISTICS BY BIRTHWEIGHT INCLUDE DEATHS TO INFANTS LESS THAN 28 DAYS OLD WHO WERE BORN TO RESIDENTS OF MASSACHUSETTS. DEATHS OCCURRING IN JANUARY OF THE SUBSEQUENT YEAR ARE ALSO INCLUDED IF THE BIRTH OCCURRED IN DECEMBER OF THE DATA YEAR. DEATHS OCCURRING IN JANUARY OF THE DATA YEAR ARE NOT INCLUDED IF THE BIRTH OCCURRED IN DECEMBER OF THE PREVIOUS YEAR. DENOMINATORS ARE OCCURRENCE BIRTHS OF THE DATA YEAR.

THE NUMBER OF NEONATAL DEATHS WEIGHING UNDER 500 GRAMS SOMETIMES EXCEEDS THE NUMBER OF BIRTHS. IN SOME CASES HOSPITALS NEGLECT TO FILE BIRTH RECORDS FOR SOME LOW BIRTHWEIGHT BABIES. ALTHOUGH THE BIRTH RECORDS ARE SUBSEQUENTLY FILED WHEN WE DISCOVER THESE ERRORS, THIS USUALLY OCCURS AFTER THE FILE USED TO PROVIDE THE DENOMINATORS IS COMPLETED FOR THE DATA YEAR.

MARRIAGES AND DIVORCES

SECTION E

MARRIAGES AND DIVORCES

Marriages and divorces are reported by place of occurrence in Massachusetts. For example, if two Worcester residents are married in Boston, this marriage will be reported by place of occurrence rather than residence of the couple. Marriages have traditionally been reported in this manner due to the number of couples who live in different communities.

Marriages and divorces which involve Massachusetts residents but occur in other states are not included in these figures. There is no system of interstate exchange for these events as there is for births and deaths. It should be noted, however, that unlike some states, Massachusetts' marriage and divorce laws neither encourage out-of-state residents to come to the state nor discourage residents from using the system by unreasonable waiting periods, etc. This allows the data to be used to estimate resident activity in this area.

There were 49,849 marriages in Massachusetts in 1985 compared to 50,306 in 1984, a decrease of 0.9%. The rate of marriages was 8.6 per 1,000 population in 1985 compared to 8.8 in 1984. The U.S. rate of marriages per 1,000 population also decreased from 10.5 per 1,000 population in 1984 to 10.1 in 1985. Of the brides, 75.1% had never previously been married. This percentage was slightly less among the grooms--72.8%.

There were 21,573 divorces granted in Massachusetts in 1985, an increase of 26.0% over the 17,125 granted in 1984. This increase, however, is more a reflection of a change in the law rather than a significant increase in the number of divorces granted. During 1985, the law regarding the amount of time before a divorce became final was reduced from six months to 90 days. This meant that individuals with court appearances in July, August, and September whose divorces would previously have been final in the next calendar year became final in 1985; therefore 15 months of court appearances rather than 12 are included in these data. The change in the divorce laws will only affect divorces granted in 1985. The 1985 rate of divorce per 1,000 population in Massachusetts was 3.7; even with the reporting problem it was well below the U.S. rate of 5.0 per 1,000 population.

DEFINITIONS AND RATES IMPORTANT TO THIS SECTION INCLUDE:

MARRIAGE RATE	$\frac{\text{Number of Occurrence Marriages}}{\text{Total Population}} \times 1,000$
DIVORCE RATE	$\frac{\text{Number of Occurrence Divorces}}{\text{Total Population}} \times 1,000$

TABLE E-1
MARRIAGES AND DIVORCES BY COUNTY
1985

	MARRIAGES	DIVORCES
TOTAL	49,849	21,573
BARNSTABLE	2,002	642
BERKSHIRE	1,369	645
BRISTOL	4,174	1,961
DUKES	230	30
ESSEX	5,856	2,459
FRANKLIN	606	364
HAMPDEN	3,567	1,748
HAMPSHIRE	1,064	454
MIDDLESEX	11,857	4,861
NANTUCKET	171	38
NORFOLK	5,012	1,750
PLYMOUTH	3,285	1,793
SUFFOLK	5,116	1,905
WORCESTER	5,540	2,923

FIGURE E-1
RATES OF MARRIAGES AND DIVORCES
PER THOUSAND POPULATION
1900 - 1985



TABLE E-2
MARRIAGES AND DIVORCES AND RATES PER THOUSAND POPULATION
1900-1985

YEAR	MARRIAGES	RATE	DIVORCES	RATE
1900	24,342	8.7	1,258	0.45
1905	27,184	9.1	1,554	0.52
1910	30,710	9.1	1,929	0.57
1915	31,301	8.5	2,252	0.61
1920	38,048	9.9	3,647	0.95
1925	31,238	7.5	3,395	0.82
1930	27,431	6.5	3,746	0.88
1935	30,019	6.9	4,081	0.94
1940	44,836	10.4	4,502	1.04
1945	38,197	8.5	6,833	1.51
1950	41,711	8.9	6,365	1.35
1955	35,585	7.3	5,601	1.15
1960	34,050	6.6	5,592	1.08
1965	38,281	7.2	7,728	1.46
1970	47,292	8.3	10,818	1.90
1975	42,103	7.3	16,460	2.84
1980	46,273	8.1	17,873	3.12
1981	47,802	8.3	19,502	3.39
1982	48,654	8.5	19,531	3.40
1983	48,789	8.5	18,477	3.21
1984	50,302	8.8	17,123	2.98
1985	49,849	8.6	21,573	3.71

TABLE E-3
MARRIAGES BY AGE AND MARITAL STATUS
1985

- BRIDE -								
AGE	TOTAL	%	SINGLE	%	WIDOWED	%	DIVORCED	%
TOTAL	49,849	100.0	37,413	75.1	1,236	2.4	11,200	22.5
<20	3,809	7.6	3,793	7.6	1	.0	15	.0
20-29	31,726	63.6	28,590	57.3	69	.1	3,067	6.2
30-39	10,202	20.5	4,574	9.2	226	.5	5,402	10.8
40-49	2,576	5.2	330	.7	240	.5	2,006	4.0
50-59	951	1.9	78	.2	293	.6	580	1.1
60-69	423	.9	34	.1	275	.5	114	.3
<u>>70</u>	162	.3	14	.0	132	.2	16	.1
- GROOM -								
AGE	TOTAL	%	SINGLE	%	WIDOWED	%	DIVORCED	%
TOTAL	49,849	100.0	36,306	72.8	1,241	2.5	12,302	24.7
<20	1,333	2.7	1,329	2.7	0	.0	4	.0
20-29	29,016	58.2	27,139	54.4	27	.1	1,850	3.7
30-39	12,968	26.0	7,027	14.1	93	.2	5,848	11.7
40-49	3,780	7.6	630	1.2	156	.3	2,994	6.1
50-59	1,614	3.2	132	.3	286	.6	1,196	2.3
60-69	796	1.6	38	.1	403	.8	355	.7
<u>>70</u>	342	.7	11	.0	276	.5	55	.2

TABLE E-4

NUMBER OF MARRIAGES BY AGE OF BRIDE AND AGE OF GROOM

1985

AGE OF BRIDE	- AGE OF GROOM -							
	TOTAL	<20	20-29	30-39	40-49	50-59	60-69	<u>>70</u>
TOTAL	49,849	1,333	29,016	12,968	3,780	1,614	796	342
<20	3,809	951	2,712	127	17	2	0	0
20-29	31,726	364	24,077	6,585	628	62	10	0
30-39	10,202	15	2,129	5,674	1,960	356	61	7
40-49	2,576	3	94	555	1,036	689	179	20
50-59	951	0	2	27	133	450	286	53
60-69	423	0	1	0	5	49	235	133
<u>>70</u>	162	0	1	0	1	6	25	129

TABLE E-5
NUMBER OF MARRIAGES FOR BRIDE BY NUMBER OF MARRIAGES FOR GROOM
1985

NUMBER OF BRIDE MARRIAGES	NUMBER OF GROOM MARRIAGES					
	TOTAL	1	2	3	4	<u>>5</u>
TOTAL	49,849	36,297	11,735	1,656	137	24
1	37,409	31,653	5,261	452	34	9
2	10,882	4,266	5,646	890	69	1
3	1,386	344	737	276	25	4
4	157	30	82	36	9	0
<u>>5</u>	15	4	9	2	0	0

INDUCED ABORTIONS

SECTION F

INDUCED ABORTIONS

There were 35,136 induced abortions in Massachusetts in 1985, an increase of 3,260 over 1984. More than half the women receiving abortions were between the ages of 20 and 29. Women under the age of 20 accounted for almost 24% of all abortions. Fifty-six percent of induced abortions were performed in clinics.

The data on induced abortions must be considered differently from all other data presented in this report. These data represent reported abortions performed in Massachusetts regardless of residence. It is not possible to ascertain the number obtained in other states by residents of Massachusetts. Additionally, these data are provided in aggregate form by facilities, so that almost no linkages may be made by items such as residence, age and so forth.



TABLE F-1
NUMBER OF ABORTIONS OCCURRING IN MASSACHUSETTS BY TYPE OF FACILITY AND AGE OF WOMAN
1985

AGE		TOTAL	CLINICS	PHYSICIANS AND GROUP PRACTICE	HOSPITALS
TOTAL	N %	35,136 100.0	19,793 56.3	10,887 31.0	4,456 12.7
<15	N %	201 100.0	100 49.7	45 22.4	56 27.9
15-19	N %	8,153 100.0	3,804 46.7	3,325 40.8	1,024 12.5
20-29	N %	18,817 100.0	12,141 64.5	4,382 23.3	2,294 12.3
30-39	N %	5,932 100.0	3,483 58.7	1,483 25.0	966 16.3
40+	N %	608 100.0	265 43.6	230 37.8	113 18.6
UNKNOWN	N %	1,425 100.0	0	1,422 99.8	3 .2

POPULATION

SECTION G

POPULATION

The population data in this section are presented for use in computing rates for small areas and for displaying changes over time by municipality, county and health service area. They are primarily based on the federal census for decennial years, i.e., 1970, and on the Commonwealth's census for intercensal years, i.e., 1975.

It is worth noting that prior to 1985, the Massachusetts method of enumeration differs from the federal census. Generally, the state's figures excluded non-resident students and military families residing in the Commonwealth, which are included in the federal census. The 1985 census, however, used the federal definition. Because of problems with numbers provided by some communities, the 1985 totals are not yet available.

Massachusetts population estimates, 1981-1985 (Table G-5) were produced using a methodology developed by the Connecticut Department of Health Services. This methodology applies the state migration patterns, by age and sex, for the past decade to the estimated number of migrants for each of the five years. The number of estimated migrants is obtained by comparing the Federal Bureau of the Census yearly population estimate for Massachusetts with the number of survivors since the 1980 census count. For example, the number of survivors in 1981 is equal to the 1980 census population plus the natural increase (births-deaths). These estimates are intended to be provisional and will be revised in future Department publications.

In future years the estimates and population projections used for the development of this report will be obtained from the Massachusetts Institute for Social and Economic Research (MISER).



FIGURE G-1
MASSACHUSETTS POPULATION
1900-1985

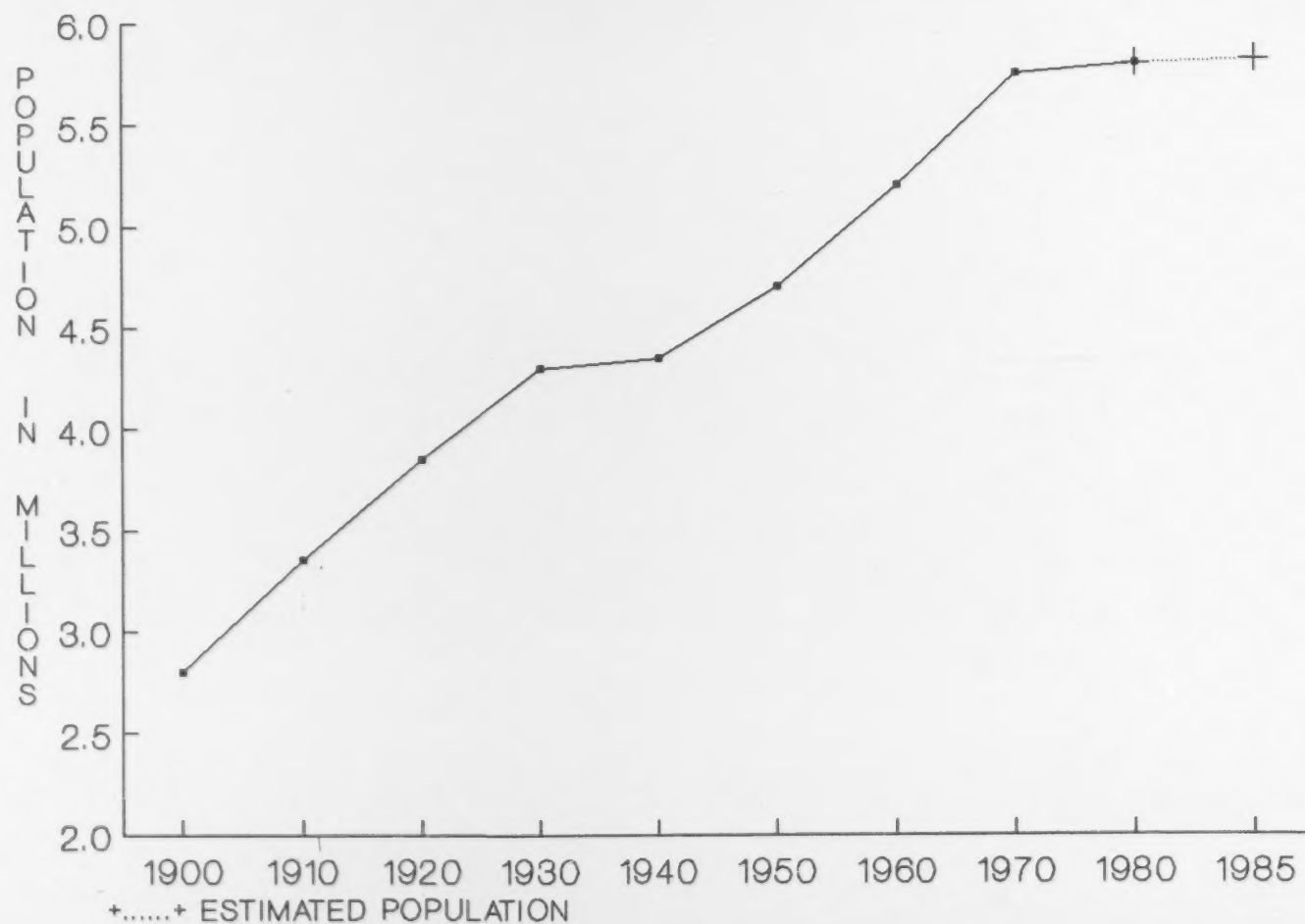


TABLE G-1
POPULATION BY RACE, AGE AND SEX
1980

AGE	SEX	TOTAL	WHITE	BLACK	OTHER & UNKNOWN
UNDER 1	MALE	36,771	32,822	2,076	1,873
	FEMALE	34,959	31,174	1,938	1,847
	TOTAL	71,730	63,996	4,014	3,720
1-4	MALE	136,258	122,083	7,454	6,721
	FEMALE	129,227	115,440	7,190	6,597
	TOTAL	265,485	237,523	14,644	13,318
5-9	MALE	191,602	173,505	9,866	8,231
	FEMALE	183,132	165,337	9,819	7,976
	TOTAL	374,734	338,842	19,685	16,207
10-14	MALE	235,669	216,445	11,636	7,588
	FEMALE	225,663	206,831	11,429	7,403
	TOTAL	461,332	423,276	23,065	14,991
15-19	MALE	274,859	253,767	12,934	8,158
	FEMALE	273,380	252,117	13,106	8,157
	TOTAL	548,239	505,884	26,040	16,315
20-24	MALE	270,713	250,616	11,558	8,539
	FEMALE	282,189	260,612	12,809	8,768
	TOTAL	552,902	511,228	24,367	17,307
25-29	MALE	239,341	221,554	9,952	7,835
	FEMALE	249,834	230,586	11,031	8,217
	TOTAL	489,175	452,140	20,983	16,052
30-34	MALE	217,649	202,785	8,306	6,558
	FEMALE	228,746	211,798	9,634	7,314
	TOTAL	446,395	414,583	17,940	13,872
35-39	MALE	169,502	158,362	6,577	4,563
	FEMALE	179,050	166,127	7,956	4,967
	TOTAL	348,552	324,489	14,533	9,530
40-44	MALE	134,925	126,332	5,013	3,580
	FEMALE	143,823	134,182	5,866	3,775
	TOTAL	278,748	260,514	10,879	7,355
45-49	MALE	134,444	127,300	4,329	2,815
	FEMALE	143,817	135,730	5,030	3,057
	TOTAL	278,261	263,030	9,359	5,872
50-54	MALE	146,211	139,828	4,057	2,326
	FEMALE	160,363	152,917	4,793	2,653
	TOTAL	306,574	292,745	8,850	4,979

TABLE G-1 (continued)
POPULATION BY RACE, AGE AND SEX
1980

AGE	SEX	TOTAL	WHITE	BLACK	OTHER & UNKNOWN
55-59	MALE	145,603	140,132	3,587	1,884
	FEMALE	165,392	159,005	4,304	2,083
	TOTAL	310,995	299,137	7,891	3,967
60-64	MALE	126,323	122,160	2,803	1,360
	FEMALE	151,061	145,859	3,510	1,692
	TOTAL	277,384	268,019	6,313	3,052
65-69	MALE	101,023	98,076	1,953	994
	FEMALE	134,551	130,398	2,810	1,343
	TOTAL	235,574	228,474	4,763	2,337
70-74	MALE	73,235	71,293	1,285	657
	FEMALE	113,806	110,942	1,892	972
	TOTAL	187,041	182,235	3,177	1,629
75-79	MALE	48,145	46,859	810	476
	FEMALE	89,683	87,573	1,441	669
	TOTAL	137,828	134,432	2,251	1,145
80-84	MALE	28,513	27,747	480	286
	FEMALE	63,667	62,351	899	417
	TOTAL	92,180	90,098	1,379	703
85 & OVER	MALE	20,107	19,485	374	248
	FEMALE	53,801	52,706	772	323
	TOTAL	73,908	72,191	1,146	571
TOTAL	MALE	2,730,893	2,551,151	105,050	74,692
	FEMALE	3,006,144	2,811,685	116,229	78,230
	TOTAL	5,737,037	5,362,836	221,279	152,922
		(100.0%)	(93.4%)	(3.9%)	(2.7%)

FIGURE G-2
1980 MASSACHUSETTS POPULATION BY AGE

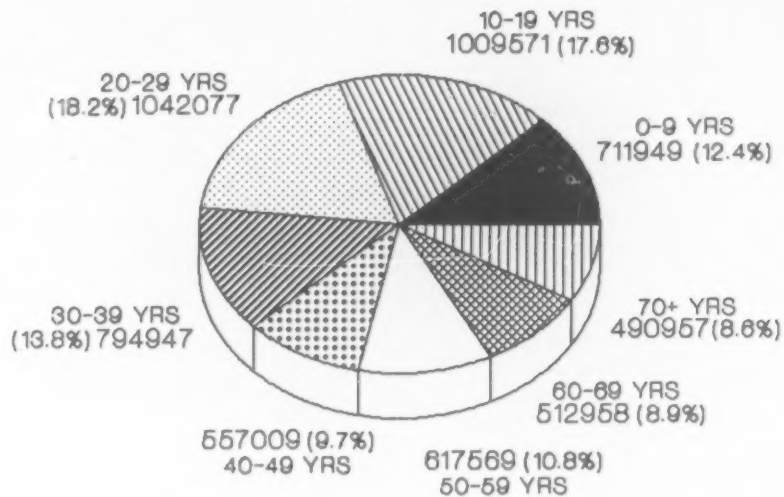


FIGURE G-3
1980 MASSACHUSETTS POPULATION BY RACE

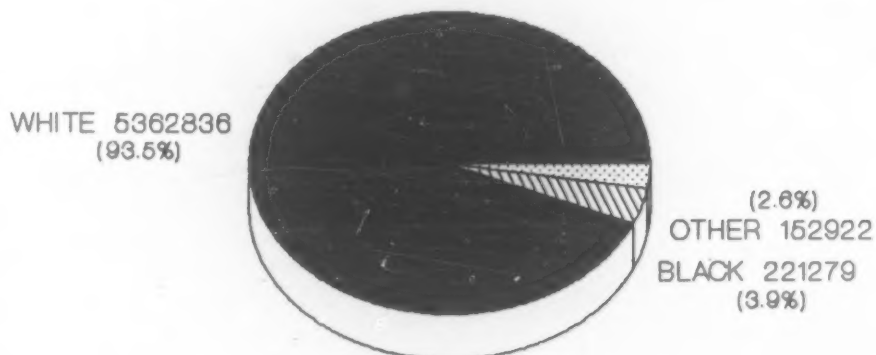


TABLE G-2
MASSACHUSETTS POPULATION BY COUNTIES
SIX CENSUS YEARS

	STATE 1955	FEDERAL 1960	STATE 1965	FEDERAL 1970	STATE 1975	FEDERAL 1980
STATE	4,837,645	5,148,578	5,295,281	5,689,170	5,789,478	5,737,037
<u>COUNTIES</u>						
BARNSTABLE	52,728	70,286	73,557	96,656	126,481	147,925
BERKSHIRE	138,119	142,135	145,597	149,402	148,069	145,110
BRISTOL	389,540	398,488	415,242	444,301	461,852	474,641
DUKES	6,069	5,829	5,948	6,117	7,951	8,942
ESSEX	543,526	568,831	608,996	637,887	631,627	633,632
FRANKLIN	55,573	54,864	57,687	59,210	63,420	64,317
HAMPDEN	389,237	429,353	435,281	459,050	461,659	443,018
HAMPSHIRE	87,142	103,229	100,065	123,981	122,729	138,813
MIDDLESEX	1,115,252	1,238,742	1,280,235	1,397,268	1,397,524	1,367,034
NANTUCKET	3,642	3,559	3,714	3,774	5,559	5,087
NORFOLK	448,144	510,256	560,137	605,051	620,346	606,587
PLYMOUTH	214,456	248,449	292,697	333,314	377,500	405,437
SUFFOLK	819,797	791,329	706,216	735,190	724,703	650,142
WORCESTER	574,420	583,228	609,909	637,969	640,058	646,352

TABLE G-3
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS	CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
ABINGTON	12334	13517	BOXFORD	4032	5374
ACTON	14770	17544	BOYLSTON	2774	3470
ACUSHNET	7767	8704	BRAINTREE	35050	36337
ADAHS	11772	10381	BREWSTER	1790	5226
AGAWAM	21717	26271	BRIDGEWATER	11829	17202
ALFORD	302	394	BRIMFIELD	1907	2318
AMESBURY	11388	13971	BROCKTON	89040	95172
ANDOVER	26331	33229	BROOKFIELD	2063	2397
ANDOVER	23695	26370	BROOKLINE	58886	55062
ARLINGTON	53524	48219	BUCKLAND	1892	1864
ASHBURNHAM	3484	4075	BURLINGTON	21980	23486
ASHBY	2274	2311	CAMBRIDGE	100361	95322
ASHFIELD	1274	1458	CANTON	17100	18182
ASHLAND	8882	9165	CARLISLE	2871	3306
ATHOL	11185	10634	CARVER	2420	6988
ATTLEBORO	32907	34196	CHARLEMONT	897	1149
AUBURN	15347	14845	CHARLTON	4654	6719
AVON	5295	5026	CHATHAM	4554	6071
AYER	8325	6993	CHELMSFORD	31432	31174
BARNSTABLE	19842	30898	CHELSEA	30625	25431
BARRE	3825	4102	CHESHIRE	3006	3124
BECKET	929	1339	CHESTER	1025	1123
BEDFORD	13513	13067	CHESTERFIELD	704	1000
BELCHERTOWN	5936	8339	CHICOPEE	66676	55112
BELLINGHAM	13967	14300	CHILMARK	340	489
BELMONT	28285	26100	CLARKSBURG	1987	1871
BERKLEY	2027	2731	CLINTON	13383	12771
BERLIN	2099	2215	COHASSET	6954	7174
BERNARDSTON	1659	1750	COLRAIN	1420	1552
BEVERLY	38348	37655	CONCORD	16148	16293
BILLERICA	31648	36727	CORWY	999	1213
BLACKSTONE	6566	6570	CUMMINGTON	562	657
BLANDFORD	863	1038	DALTON	7505	6797
BOLTON	1905	2530	DANVERS	26151	24100
BOSTON	641071	562994	DARTMOUTH	18800	23966
BOURNE	12636	13874	DEDHAM	26938	25298
BOXBOROUGH	1451	3126	DEERFIELD	3850	4517

TABLE 6-3 (CONTINUED)
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS	CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
DENNIS	6454	12360	GRANVILLE	1008	1204
DIGHTON	4667	5352	GREAT BARRINGTON	7537	7405
DOUGLAS	2947	3730	GREENFIELD	18116	18436
DOVER	4529	4703	GROTON	5109	6154
DRACUT	18214	21249	GROVELAND	5382	5040
DUDLEY	8087	8717	HADLEY	3750	4125
DUNSTABLE	1292	1671	HALIFAX	3537	5513
DUXBURY	7636	11807	HAMILTON	6373	6960
EAST BRIDGEWATER	8347	9945	HAMFORD	4572	4745
EAST BROOKFIELD	1800	1955	HANCOCK	675	643
EAST LONGMEADOW	13029	12905	HANOVER	10107	11358
EASTHAM	2043	3472	HANSON	7148	8617
EASTHAMPTON	13012	15580	HARDWICK	2379	2272
EASTON	12157	16623	HARVARD	12494	12170
EDGARTOWN	1481	2204	HARWICH	5892	8971
EGREMONT	1138	1311	HATFIELD	2825	3045
ERVING	1260	1326	HAVERHILL	46120	46865
ESSEX	2670	2998	HAWLEY	224	280
EVERETT	42485	37195	HEATH	383	482
FAIRHAVEN	16332	15759	HINGHAM	18845	20339
FALL RIVER	96898	92574	HINSDALE	1588	1707
FALMOUTH	15942	23640	HOLBROOK	11775	11140
FITCHBURG	43343	39580	HOLDEN	12564	13336
FLORIDA	672	730	HOLLAND	931	1589
FOXBOROUGH	14218	14148	HOLLISTON	12069	12622
FRAMINGHAM	64048	65113	HOLYOKE	50112	44678
FRANKLIN	17830	18217	HOPEDALE	4292	3905
FREETOWN	4270	7058	HOPKINTON	5981	7114
GARDNER	19748	17900	HUBBARDSTON	1437	1797
GAY HEAD	118	220	HUDSON	16084	16408
GEORGETOWN	5290	5687	HULL	9961	9714
GILL	1100	1259	HUNTINGTON	1593	1804
GLOUCESTER	27941	27768	IPSWICH	10750	11158
GOSHEN	483	651	KINGSTON	5999	7362
GOSHOLD	83	63	LAKEVILLE	4376	5931
GRAFTON	11659	11238	LANCASTER	6095	6334
GRAINY	5473	5380	LANESBOROUGH	2972	3131

TABLE G-3 (CONTINUED)
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS	CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
LAWRENCE	66915	63175	MILLBURY	11987	11808
LEE	6426	6247	MILLIS	5686	6908
LEICESTER	9140	9446	MILLVILLE	1764	1693
LENOX	5804	6523	MILTON	27190	25860
LEOMINSTER	32939	34508	MONROE	216	179
LEVERETT	1005	1471	MONSON	7355	7315
LEXINGTON	31886	29479	MONTAGUE	8451	8011
LEYDEN	376	498	MONTEREY	600	818
LINCOLN	7567	7098	MONTGOMERY	446	637
LITTLETON	6380	6970	MOUNT WASHINGTON	52	93
LONGMEADOW	15630	16301	NAHAANT	4119	3947
LOWELL	94239	92418	NANTUCKET	3774	5087
LUDLOW	17580	18150	NATICK	31057	29461
LUNEBURG	7419	8405	NEEDHAM	29748	27901
LYNN	90294	78471	NEW ASHFORD	183	159
LYNNFIELD	10826	11267	NEW BEDFORD	101777	98478
MALDEN	56127	53386	NEW BRAINTREE	631	671
MANCHESTER	5151	5424	NEW MARLBOROUGH	1031	1160
MANSFIELD	9939	13453	NEW SALEM	474	688
MARBLEHEAD	21295	20126	NEUBURY	3804	4529
MARION	3466	3932	NEUBURYPORT	15807	15900
MARLBOROUGH	27936	30617	NEWTON	91066	83622
MARSHFIELD	15223	20916	NORFOLK	4656	6363
MASHPEE	1288	3700	NORTH ADAMS	19195	18063
MATTAPOISETT	4500	5597	NORTH ANDOVER	16284	20129
MAYHARD	9710	9590	NORTH ATTLEBORO	18665	21095
MEDFIELD	9821	10220	NORTH BROOKFIELD	3967	4150
MEDFORD	64397	58076	NORTH READING	11264	11455
MEDWAY	7938	8447	NORTHAMPTON	29664	29286
MELROSE	33180	30055	NORTHBOROUGH	9218	10568
MENDON	2524	3108	NORTHERIDGE	11795	12246
MERRIMAC	4245	4451	NORTHFIELD	2631	2386
METHUEN	35456	36701	NORTHAMPTON	9487	12690
MIDDLEBOROUGH	13607	16404	NORWELL	7796	9182
MIDDLEFIELD	288	385	NORWOOD	30815	29711
MIDDLETON	4044	4135	OAK BLUFFS	1385	1984
MILFORD	19352	23390	OAKHAM	730	994

TABLE G-3 (CONTINUED)
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS	CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
ORANGE	6104	6844	SANDISFIELD	547	720
ORLEANS	3055	5306	SANDWICH	5239	8727
OTIS	820	963	SAUGUS	25110	24746
OXFORD	10345	11680	SAVOY	322	644
PALMER	11680	11389	SCITUATE	16973	17317
PAXTON	3731	3762	SEEKONK	11116	12269
PEABODY	48080	45976	SHARON	12367	13601
PELHAM	937	1112	SHEFFIELD	2374	2743
PENBROKE	11193	13487	SHELBURNE	1836	2002
PEPPERELL	5887	8061	SHERBORN	3309	4049
PERU	256	633	SHIRLEY	4909	5124
PETERSHAM	1014	1024	SHIRESBURY	19196	22674
PHILLIPSTON	872	953	SHUTESBURY	489	1049
PITTSFIELD	57020	51974	SOHERSET	18088	18813
PLAINFIELD	287	425	SOMERVILLE	88779	77372
PLAINVILLE	4953	5857	SOUTH HADLEY	17033	16399
PLYMOUTH	18606	35913	SOUTHAMPTON	3069	4137
PLYMPTON	1224	1974	SOUTHBOROUGH	5798	6193
PRINCETON	1681	2425	SOUTHERIDGE	17057	16665
PROVINCETOWN	2911	3536	SOUTHWICK	6330	7382
QUINCY	87966	84743	SPENCER	8779	10774
RANDOLPH	27035	28218	SPRINGFIELD	163905	152319
RAYNHAM	6705	9085	STERLING	4247	5440
READING	22539	22678	STOCKBRIDGE	2312	2328
REHOBOTH	6512	7570	STONEHAM	20725	21424
REVERE	43159	42423	STOUGHTON	23459	26710
RICHMOND	1461	1659	STON	3984	5144
ROCHESTER	1770	3205	STURBRIDGE	4878	5976
ROCKLAND	15674	15695	SUDBURY	13506	14027
ROCKPORT	5636	6345	SUNDERLAND	2236	2929
ROME	277	336	SUTTON	4590	5855
ROXLEY	3040	3867	SWAMPSCOTT	13578	13837
ROYALSTON	809	955	SWANSEA	12640	15461
RUSSELL	1382	1570	TAUNTON	43756	45001
RUTLAND	3198	4334	TEMPLETON	5863	6070
SALEM	40556	38220	TEMBURY	22755	24635
SALISBURY	4179	5973	TISBURY	2257	2972

TABLE 6-3 (CONTINUED)
MASSACHUSETTS POPULATION BY CITY AND TOWN
1970-1980

CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS	CITY/TOWN	1970 U.S. CENSUS	1980 U.S. CENSUS
TOLLAND	172	235	WESTPORT	9791	13763
TOPSFIELD	5225	5709	WESTWOOD	12750	13212
TOWNSEND	4281	7201	WEYMOUTH	54610	55601
TRURO	1234	1486	WHATELY	1145	1341
TYNGSBOROUGH	4204	5683	WHITHAM	13059	13534
TYRINGHAM	234	344	WILBRAHAM	11984	12053
UPTON	3484	3886	WILLIAMSBURG	2342	2237
UXBRIDGE	8253	8374	WILLIAMSTOWN	8454	8741
WAKEFIELD	25402	24895	WILMINGTON	17102	17471
WALES	852	1177	WINCHENDON	6635	7019
WALPOLE	18149	18859	WINCHESTER	22269	20701
WALTHAM	61582	58200	WINDSOR	468	598
WARE	8187	8953	WINTHIROP	20335	19294
WAREHAM	11492	18457	WOBURN	37406	36626
WARREN	3633	3777	WORCESTER	176572	161799
WARWICK	492	603	WORTHINGTON	712	932
WASHINGTON	406	587	WRENTHAM	7315	7580
WATERTOWN	39307	34384	YARMOUTH	12033	18449
WAYLAND	13461	12170			
WEBSTER	14917	14480			
WELLESLEY	28051	27209			
WELLFLEET	1743	2209			
WENDELL	405	694			
WENHAM	3849	3897	STATEWIDE TOTALS	5,689,170	5,737,637
WEST BOYLSTON	6369	6204			
WEST BRIDGEWATER	7152	6359			
WEST BROOKFIELD	2653	3026			
WEST NEWBURY	2254	2861			
WEST SPRINGFIELD	28461	27042			
WEST STOCKBRIDGE	1354	1280			
WEST TISBURY	453	1010			
WESTBOROUGH	12594	13619			
WESTFIELD	31433	36465			
WESTFORD	10368	13434			
WESTHAMPTON	793	1137			
WESTMINSTER	4273	5139			
WESTON	10870	11169			

TABLE G-4
MASSACHUSETTS POPULATION BY HEALTH SERVICE AREA
1970-1980

HSA SUBAREAS	1970 U.S. CENSUS	1980 U.S. CENSUS
11	149,906	145,674
12	158,345	175,257
13	497,215	482,586
HSA I TOTALS	805,466	803,517
21	208,593	216,595
22	245,693	235,536
23	211,838	228,390
HSA II TOTALS	666,124	680,521
31	214,152	226,991
32	142,350	146,375
33	105,541	114,518
HSA III TOTALS	462,043	487,884
41	794,076	705,204
42	477,986	456,914
43	489,096	478,314
44	159,815	164,082
45	304,155	305,625
HSA IV TOTALS	2,225,128	2,110,139
51	75,951	87,291
52	182,672	204,088
53	98,767	139,630
54	92,766	104,343
55	141,687	147,669
56	154,495	159,704
57	117,956	180,348
HSA V TOTALS*	864,294	1,023,073
61	105,943	107,914
62	140,126	132,557
63	143,927	132,300
64	113,110	110,507
65	163,009	148,657
HSA VI TOTALS	666,115	631,903
STATEWIDE TOTALS	5,689,170	5,737,037

*INCLUDES ACTIVE AND INACTIVE SUBAREA COUNCILS.

TABLE G-5
PROVISIONAL POPULATION ESTIMATES, MASSACHUSETTS*
1981-1985

AGE GROUP		TOTAL	MALE	FEMALE
0-4	1981	342,949	175,771	167,178
	1982	350,822	179,964	170,858
	1983	359,061	184,082	174,979
	1984	366,806	187,915	178,891
	1985	373,940	190,800	183,140
5-9	1981	352,084	180,047	172,037
	1982	336,800	172,328	164,472
	1983	328,230	168,158	160,072
	1984	328,034	167,900	160,134
	1985	339,760	174,150	165,610
10-14	1981	451,532	230,860	220,672
	1982	434,483	222,329	212,154
	1983	416,835	213,269	203,566
	1984	395,788	202,667	193,121
	1985	376,760	192,500	184,260
15-19	1981	528,400	267,178	261,222
	1982	508,802	259,216	249,586
	1983	495,716	250,450	245,266
	1984	478,534	241,956	236,575
	1985	467,530	237,180	230,350
20-24	1981	566,409	275,519	290,890
	1982	568,319	276,201	292,118
	1983	568,104	275,247	292,857
	1984	561,660	273,595	288,065
	1985	552,540	272,140	280,400
25-29	1981	499,488	244,660	254,829
	1982	510,779	250,409	260,370
	1983	520,689	255,208	265,481
	1984	533,889	261,050	272,839
	1985	549,840	265,730	284,110
30-34	1981	469,113	229,183	239,930
	1982	463,867	227,232	236,635
	1983	466,591	230,316	236,275
	1984	474,715	234,835	239,880
	1985	484,630	239,100	245,530
35-39	1981	358,747	174,409	184,338
	1982	386,535	187,989	198,546
	1983	402,070	195,315	206,755
	1984	419,181	203,551	215,630
	1985	441,370	216,210	225,160
40-44	1981	285,147	138,093	147,054
	1982	292,732	141,524	151,208
	1983	312,220	150,594	161,626
	1984	329,106	159,084	170,022
	1985	343,470	165,790	177,680
45-49	1981	272,195	131,695	140,500
	1982	268,502	129,579	138,923
	1983	266,074	128,538	137,536
	1984	269,193	129,857	139,336
	1985	274,110	131,520	142,590

TABLE G-5 (continued)
PROVISIONAL POPULATION ESTIMATES, MASSACHUSETTS*
1981-1985

AGE GROUP		TOTAL	MALE	FEMALE
50-54	1981	301,536	143,875	157,661
	1982	291,600	139,062	152,538
	1983	283,151	135,235	147,916
	1984	275,438	131,598	143,840
	1985	270,480	129,290	141,190
55-59	1981	309,026	144,679	164,347
	1982	305,617	143,416	162,201
	1983	303,017	142,449	160,568
	1984	298,378	140,678	157,700
	1985	293,080	137,640	155,440
60-64	1981	282,285	128,712	153,573
	1982	285,007	130,193	154,814
	1983	285,076	130,520	154,556
	1984	287,063	131,344	155,719
	1985	288,490	132,130	156,360
65-69	1981	239,389	103,678	135,711
	1982	240,306	104,555	135,751
	1983	243,930	106,088	137,842
	1984	247,922	108,456	139,466
	1985	245,005	107,430	137,575
70-74	1981	190,559	75,097	115,462
	1982	193,251	76,301	116,950
	1983	195,052	77,535	117,517
	1984	198,378	79,502	118,876
	1985	196,185	78,610	117,575
75-79	1981	138,165	48,303	89,862
	1982	141,295	49,529	91,766
	1983	144,609	50,844	93,765
	1984	148,030	52,194	95,836
	1985	145,330	51,055	94,275
80-84	1981	93,994	28,550	65,444
	1982	93,499	28,322	65,177
	1983	95,292	28,998	66,294
	1984	96,869	29,727	67,142
	1985	94,520	28,605	65,915
85+	1981	75,981	20,426	55,555
	1982	77,784	20,441	57,343
	1983	81,283	21,058	60,225
	1984	83,016	20,982	62,034
	1985	84,960	21,120	63,840
TOTALS	1981	5,757,000	2,740,735	3,016,265
	1982	5,750,000	2,738,590	3,011,410
	1983	5,767,000	2,743,904	3,023,096
	1984	5,792,000	2,756,894	3,035,106
	1985	5,822,000	2,771,000	3,051,000

* Estimate of state's total population provided by Bureau of the Census, U.S. Department of Commerce, Washington, D.C. Series P-25, No. 951 (May, 1984).





NOTE: Confidential section is detached from record
and is not maintained in public file.

175M FORM R-3 11-83 178233

C		H		I		L		D		F		M			
PLACE OF BIRTH		COUNTY		CITY OR TOWN		NAME OF HOSPITAL - IF NOT IN HOSPITAL, NUMBER & STREET		REGISTERED NUMBER		FATHER		MOTHER			
2 NAME															
FIRST				MIDDLE				LAST							
3 SEX		4 THIS BIRTH		4a IF NOT SINGLE,		5 DATE		5a HOUR							
		SINGLE, TWIN ETC. SPECIFY		BORN FIRST, SECOND, ETC. SPECIFY ORDER OF BIRTH		OF BIRTH		MONTH DAY YEAR		M.					
6 FULL NAME															
FIRST				MIDDLE				LAST							
7 BIRTHPLACE															
CITY OR TOWN				STATE OR COUNTRY				AGE AT TIME OF THIS BIRTH							
8 FATHER'S															
OCCUPATION				MOTHER'S				OCCUPATION							
10 FULL NAME															
FIRST				MIDDLE				LAST							
11 BIRTHPLACE															
CITY OR TOWN				STATE OR COUNTRY				AGE AT TIME OF THIS BIRTH							
13 RESIDENCE															
NO. STREET				CITY OR TOWN				COUNTY				STATE ZIP CODE			
(DO NOT USE MAILING ADDRESS)															
CERTIFICATIONS															
14 CERTIFIER							15 INFORMANT								
☐ M.D./D.O. - ATTENDANT AT BIRTH ☐ POST NATAL ONLY							I certify that the information appearing above is true and correct								
☐ ATTENDANT - IF OTHER THAN M.D./D.O. ☐ ATTENDANT - C.N.M.															
(Signature, Physician or other attendant)							(Signature)								
(Print or type name CH 46 SEC 3 & 9)							(Relationship) (Date)								
(Address)							(Present mailing address if different from item # 13)								
16 REC'D IN							17 SUPPLEMENT							18	
CLERK'S OFFICE							FILED							REGISTRAR	

NOT A LEGAL RECORD

CONFIDENTIAL INFORMATION - CHAPTER III SECTION 24B AS AMENDED
PHYSICIAN TO COMPLETE ITEMS IN RED WITHIN 24 HOURS (CH. 46 SEC. 3)

HOSPITAL CODE NO.

19 RACE - FATHER		20 EDUCATION - FATHER		PREGNANCY HISTORY (Complete each section)					
WHITE, BLACK, AMERICAN INDIAN, ETC. (SPECIFY)		(Specify only highest grade completed) Elementary or Secondary (0-12) College (1-4 or 5+)		LIVE BIRTHS (Do not include this child) NOW LIVING NOW DEAD		OTHER TERMINATIONS (Spontaneous and Induced) BEFORE 20 WEEKS AFTER 20 WEEKS			
22 RACE - MOTHER		23 EDUCATION - MOTHER		21a Number 21b Number		21d Number 21e Number			
WHITE, BLACK, AMERICAN INDIAN, ETC. (SPECIFY)		(Specify only highest grade completed) Elementary or Secondary (0-12) College (1-4 or 5+)		None ☐ None ☐		None ☐ None ☐			
				21c Date of Last Live Birth (Month, Year)		21f Date of Last Other Termination (as indicated in d or e above)			
24 DATE LAST NORMAL MENSTRUATION BEGAN		25 MONTH OF PREGNANCY PRENATAL CARE BEGAN		26 PRENATAL VISITS TOTAL NUMBER					
MONTH DAY YEAR		GAIN (FIRST, SECOND, THIRD, ETC., SPECIFY)		(IF NONE, SO STATE)					
27 COMPLICATIONS RELATED TO PREGNANCY (Describe or write "None")				28 CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or write "none")					
29 COMPLICATION OF LABOR AND/OR DELIVERY				30 CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD					
A. (Describe or write "None")				B. Caesarean (Check One) ☐ No ☐ Primary ☐ Repeat					
31 BIRTH WEIGHT		32 APGAR SCORE		33 IS MOTHER MARRIED?		34 PATIENT CARE		35 AT TIME OF THIS REPORT	
lbs. ozs. or grams		a. 1 min. b. 5 min.		(Specify yes or no)		☐ PRIV. ☐ OTHER ☐ M.I.C.		☐ CHILD LIVING ☐ DEAD	

Detach and Return to Department of Public Health - Registry of Vital Records and Statistics,
150 Tremont Street, Room 8-3, Boston, MA 02111

(INSTRUCTIONS ON REVERSE SIDE)
FOR USE BY
PHYSICIANS AND
MEDICAL EXAMINERS

The Commonwealth of Massachusetts

STANDARD CERTIFICATE OF DEATH
REGISTRY OF VITAL RECORDS AND STATISTICS

REGISTERED NUMBER

STATE USE ONLY

STATE USE ONLY

1.

72 PLACE 74

75 HOSPITAL 78

2.

9 RACE

19 NATIVITY 20

33 RESIDENCE 34

OUT OF
35 STATE 37

38 CENSUS 41

42 AUTOPT

43 MED. EXAM.

BLACK INK ONLY

R-801R

DECEDENT

INFORMANT

DISPOSITION

CAUSE OF
DEATH

CERTIFIER

DECEDENT - NAME		FIRST	MIDDLE	LAST	SEX	DATE OF DEATH (Mo., Day, Yr.)	
1		2		3			
PLACE OF DEATH (CITY OR TOWN)		COUNTY OF DEATH		HOSPITAL OR OTHER INSTITUTION - Name (If not in other, give street and number)		IF IN HOSPITAL D.O.A. (Yes or No)	
4a		4b		4c		4d	
RACE (e.g. White, Black, American Indian, etc.) (Specify)		AGE - Last Birthday (Yrs.)		UNDER 1 YEAR MO. DAYS	UNDER 1 DAY HOURS MINS	DATE OF BIRTH (Mo., Day, Yr.)	
5		6a		6b	6c	7	
MARRIED, NEVER MARRIED, WIDOWED OR DIVORCED		SPOUSE (If wife, give maiden name)		USUAL OCCUPATION (Prior - If Retired)		KIND OF BUSINESS OR INDUSTRY	
9		10		11a		11b	
SOCIAL SECURITY NUMBER		IF U.S. WAR VETERAN SPECIFY WAR		RESIDENCE - STREET AND NUMBER CITY OR TOWN, COUNTY, STATE, ZIP CODE			
12		13		14		15	
FATHER - FULL NAME		STATE OF BIRTH (If not in U.S.A. name country)		MOTHER - NAME (GIVEN MAIDEN)		STATE OF BIRTH (If not in U.S.A. name country)	
15a		15b		15c		15d	
INFORMANT - NAME AND ADDRESS						RELATIONSHIP	
17a						17b	
TYPE OF DISPOSITION (Specify Burial, Cremation, Other)		DATE OF DISPOSITION		PLACE OF DISPOSITION AND LOCATION		CITY OR TOWN STATE	
18a		18b		18c		18d	
FUNERAL SERVICE LICENSEE		NAME OF FACILITY		ADDRESS OF FACILITY			
19a		19b		19c			
20 IMMEDIATE CAUSE (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c)) (PRINT OR TYPE LEGIBLY)							
PART I							
(a) DUE TO OR AS A CONSEQUENCE OF							
(b) DUE TO OR AS A CONSEQUENCE OF							
(c) DUE TO OR AS A CONSEQUENCE OF							
PART II OTHER SIGNIFICANT CONDITIONS - Conditions contributing to death but not related to cause given in Part I (a)							
21						22	
ACC. SUICIDE HOW UNDERT OR PENDING INVEST (Specify)		DATE OF INJURY (Mo., Day, Yr.)		HOUR OF INJURY		DESCRIBE HOW INJURY OCCURRED	
23		23a		23b		23c	
INJURY AT WORK (Specify Yes or No)		PLACE OF INJURY - At home, farm, street, factory, office, building, etc. (Specify)		LOCATION		STREET CITY OR TOWN STATE	
24a		24b		24c			
25a To the best of my knowledge death occurred at the time, date and place and due to the cause(s) stated				25b On the basis of examination and/or investigation in my opinion death occurred at the time, date and place and due to the cause(s) stated			
(Signature and Title)				(Signature and Title)			
DATE SIGNED (Mo., Day, Yr.)		HOUR OF DEATH		DATE SIGNED (Mo., Day, Yr.)		HOUR OF DEATH	
25a		25b		25c		25d	
NAME OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER (Type or Print)				PRONOUNCED DEAD (Mo., Day, Yr.)			
25a				25b			
NAME AND ADDRESS OF CERTIFYING PHYSICIAN OR MEDICAL EXAMINER (Type or Print)				25c ON 25d AT			
27				28			
28 BURIAL PERMIT ISSUED ON				29 RECEIVED IN THE CITY OR TOWN OF			
SIGNATURE - SD HEALTH AGT				CLERK'S SIGNATURE			
				(DATE RECEIVED)			

The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC HEALTH REGISTRY OF VITAL RECORDS AND STATISTICS

REPORT OF FETAL DEATH

STATE FILE NUMBER _____

1. HOSPITAL—NAME (if not in hospital, give street and number)				2. CITY, TOWN OR LOCATION OF DELIVERY		3. COUNTY OF DELIVERY	
4. DATE OF DELIVERY (Month, Day, Year)		5. HOUR OF DELIVERY		6. SEX OF FETUS		7. WEIGHT OF FETUS	
8. MOTHER—MAIDEN NAME FIRST MIDDLE LAST				9. AGE (at time of this delivery)		10. RESIDENCE—STATE	
11. CITY, TOWN OR LOCATION				12. STREET AND NUMBER		13. COUNTY	
14. RACE—(e.g., White, Black, American Indian, etc.) (Specify)				15. EDUCATION (Specify only highest grade completed)		16. DATE LAST NORMAL MENSTRUATION BEGAN (Month, Day, Year)	
17. MONTH OF PREGNANCY PRENATAL CARE BEGAN (First, second, etc.) (Specify)		18. PRENATAL VISITS—Total number (if none, so state)		19. THIS BIRTH—Single, twin, triplet, etc. (Specify)		20. IF NOT SINGLE BIRTH—Born first, second, third, etc. (Specify)	
21. DATE OF LAST LIVE BIRTH (Month, Year)		22. DATE OF LAST OTHER TERMINATION (as indicated in d or e above) (Month, Year)		23. LIVE BIRTHS		24. OTHER TERMINATIONS (Spontaneous and induced)	
25. FATHER—NAME FIRST MIDDLE LAST		26. AGE (at time of this delivery)		27. RACE—(e.g., White, Black, American Indian, etc.) (Specify)		28. EDUCATION (Specify only highest grade completed)	
29. 11a. Name living		30. 11b. Name dead		31. 11c. Before 20 weeks		32. 11d. After 20 weeks	
33. 11e. Name living		34. 11f. Name dead		35. 11g. Before 20 weeks		36. 11h. After 20 weeks	
37. PART I: Fetal or maternal condition directly causing fetal death				38. IMMEDIATE CAUSE (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c))			
39. Fetal or maternal condition, if any giving rise to the immediate cause (a), causing the underlying cause (b)				39a. DUE TO, OR AS A CONSEQUENCE OF			
39b. DUE TO, OR AS A CONSEQUENCE OF				39c. DUE TO, OR AS A CONSEQUENCE OF			
40. PART II: OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER. Conditions contributing to fetal death but not related to cause given in (a)				41. FETUS DIED BEFORE LABOR DURING LABOR OR DELIVERY UNKNOWN—(Specify)		42. PHYSICIAN'S ESTIMATE OF GESTATION	
43. COMPLICATIONS OF PREGNANCY (Describe in words)				44. COMPLICATIONS OF LABOR AND/OR DELIVERY (Describe in words)		45. CONGENITAL MALFORMATIONS OR ANOMALIES OF FETUS (Describe in words)	
46. CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe in words)				47. NAME OF PHYSICIAN OR ATTENDANT (Type or print)			
48. NAME OF PERSON COMPLETING REPORT (Type or print)				49. TITLE			
50. BURIAL, CREMATION, OR BY HOSPITAL				51. CEMETERY OR CREMATORY—NAME OR WRITE "NONE"		52. LOCATION CITY OR TOWN STATE	
53. NAME OF FUNERAL DIRECTOR (IF ANY)				54. NAME OF FACILITY (Hospital or Funeral Home)		55. ADDRESS OF FACILITY	
56. I HEREBY CERTIFY that this delivery occurred on the date stated and product of conception was not a live birth.							
57. Signature of Attending Physician or Medical Examiner							
58. TITLE							

DEFINITION:

"Fetal death" per chapter 111 section 202 of the M.G.L. means death prior to the complete expulsion or extraction from its mother of a fetus, irrespective of the duration of pregnancy, as indicated by the fact that after such expulsion or extraction the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. A fetal death does NOT include an induced abortion as defined in section 12K of chapter 112 of M.G.L. . Spontaneous abortions are to be included.

TO BE REPORTED:

Only fetal deaths of twenty weeks or more gestation or of a weight of 350 grams or more are to be reported.

INSTRUCTIONS:

Return completed reported within 10 days to the Registry of Vital Records and Statistics, Rm. 107 McCormack Bldg., 1 Ashburton Pl., Boston, Ma. 02108

NOT VALID AFTER _____

THIS IS A PERMANENT RECORD. Use only durable black ink or approved black typewriter ribbon. Every item of information should be carefully supplied. ALTERATIONS AND ERASURES IN THIS CERTIFICATE ARE FORBIDDEN; PENALTY FOR VIOLATION, ONE HUNDRED DOLLARS.
SEE CHAP. 207, §§ 23, 28A, 44, 49, 54, 57 and CHAP. 46, § 1B.

THIS CERTIFICATE IS NOT TO BE USED OUTSIDE OF MASSACHUSETTS.



The Commonwealth of Massachusetts

DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS

CERTIFICATE OF MARRIAGE

This certificate must be delivered to the person before whom the marriage is to be contracted before he proceeds to solemnize the same

(State number file)

(City or town making return)

Registered No. _____

Intention No. _____

1 Place of Marriage

City or Town _____ 2 Date of Marriage _____
(Do not enter name of village or section of city or town) (Month) (Day) (Year)

3 FULL NAME GROOM		12 FULL NAME BRIDE	
3A SURNAME AFTER MARRIAGE		12A SURNAME AFTER MARRIAGE	
4 AGE	5 OCCUPATION	13 AGE	14 OCCUPATION
6 RESIDENCE NO. _____ STREET _____ CITY OR TOWN _____ STATE _____		15 RESIDENCE NO. _____ STREET _____ CITY OR TOWN _____ STATE _____	
7 NUMBER OF MARRIAGE (1st, 2nd, 3rd, etc.)	8 WIDOWED OR DIVORCED	16 NUMBER OF MARRIAGE (1st, 2nd, 3rd, etc.)	17 WIDOWED OR DIVORCED
9 BIRTHPLACE (City or town) (State or country)		18 BIRTHPLACE (City or town) (State or country)	
10 NAME OF FATHER		19 NAME OF FATHER	
11 MAIDEN NAME OF MOTHER		20 MAIDEN NAME OF MOTHER	
21 THE INTENTION OF MARRIAGE by the above-named persons was duly entered by me in the records of the _____ (City or Town) of _____ according to law, this _____ day of _____ 19____ (Name of city or town) Certificate issued _____ by _____ (Month) (Day) (Year) (City or Town Clerk or Registrar)			
22 I HEREBY CERTIFY that I joined the above-named persons in marriage at No. _____ St., (If marriage was solemnized in a church, give its NAME instead of street and number) _____ on _____ (Month) (Day) (Year) (Name of city or town) Signature _____ Official station _____ (Minister of the Gospel, Clergyman, Priest, Rabbi, or Justice of the Peace) (Print or type name) Residence No. _____ St., City or Town of _____			
23 Certificate received by city or town clerk _____ (Month) (Day) (Year) _____ CLERK OR REGISTRAR			

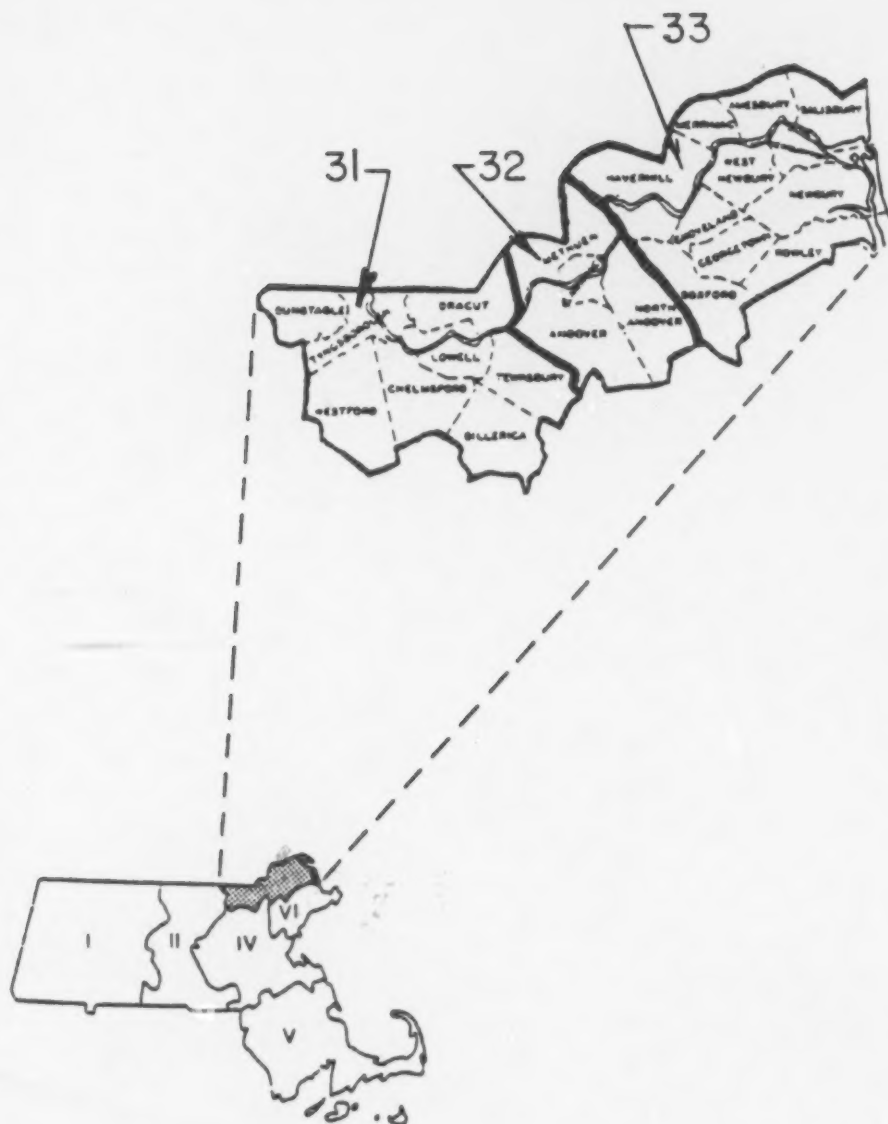
HEALTH SERVICE AREA I



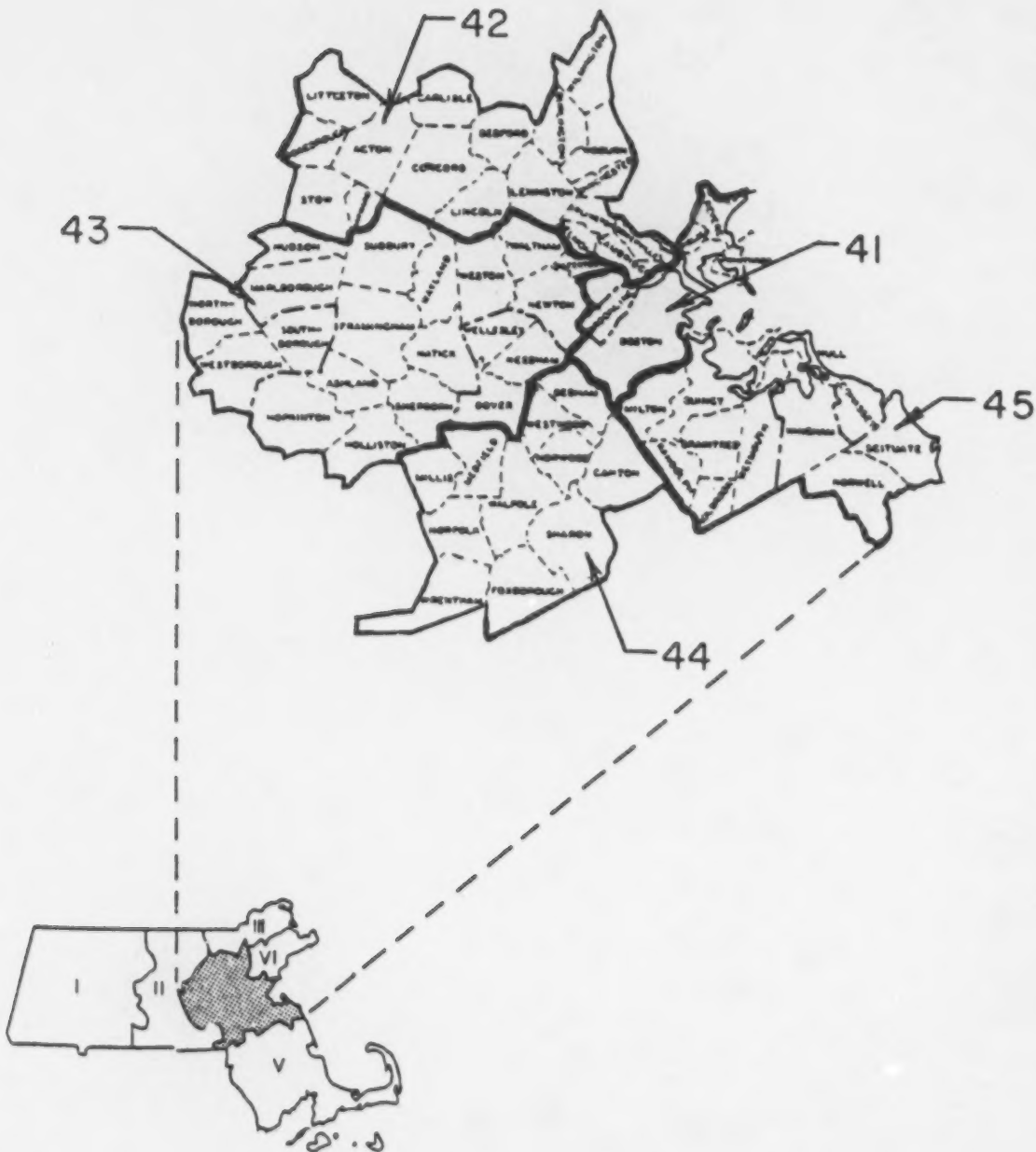
HEALTH SERVICE AREA II



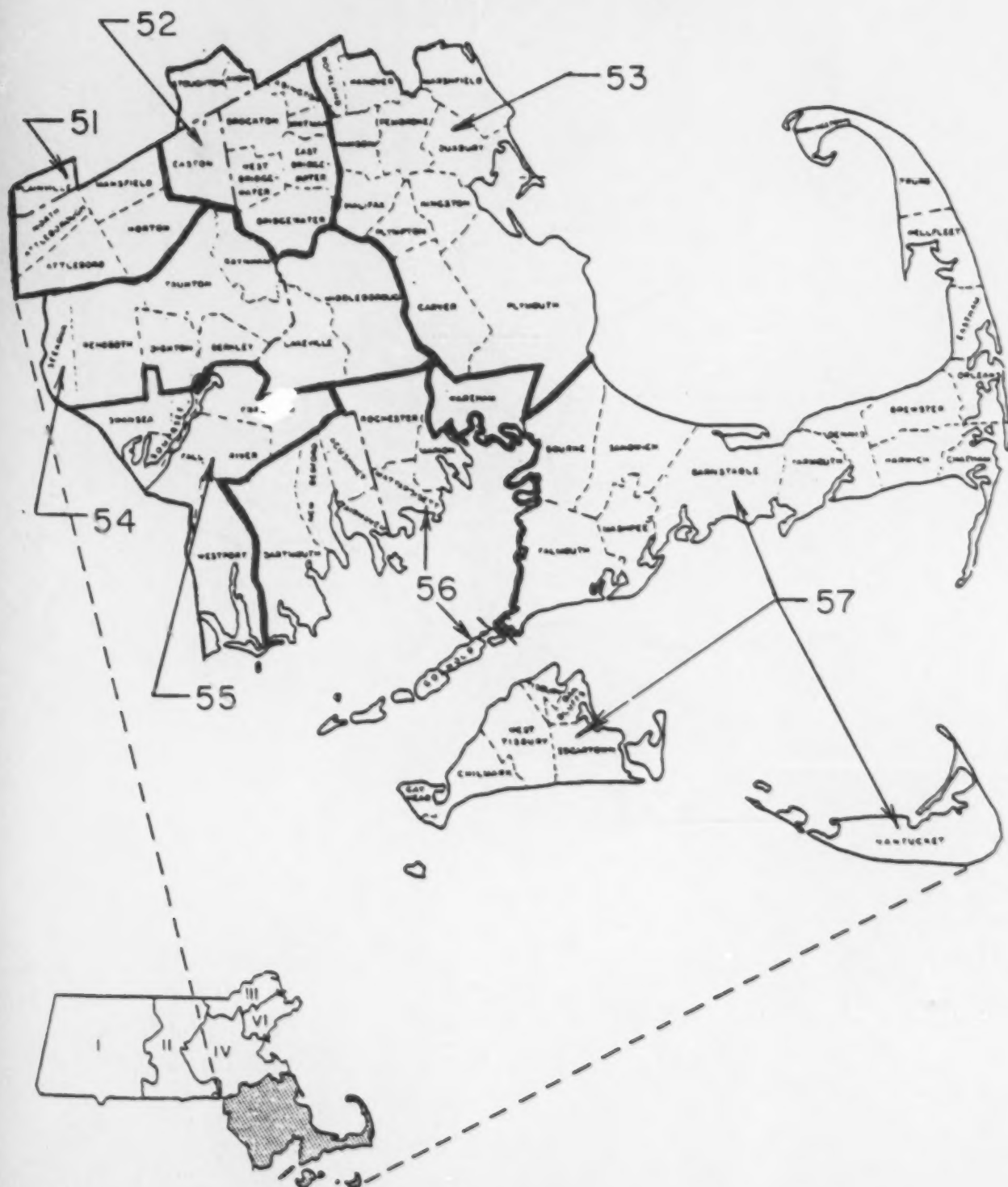
HEALTH SERVICE AREA III



HEALTH SERVICE AREA IV

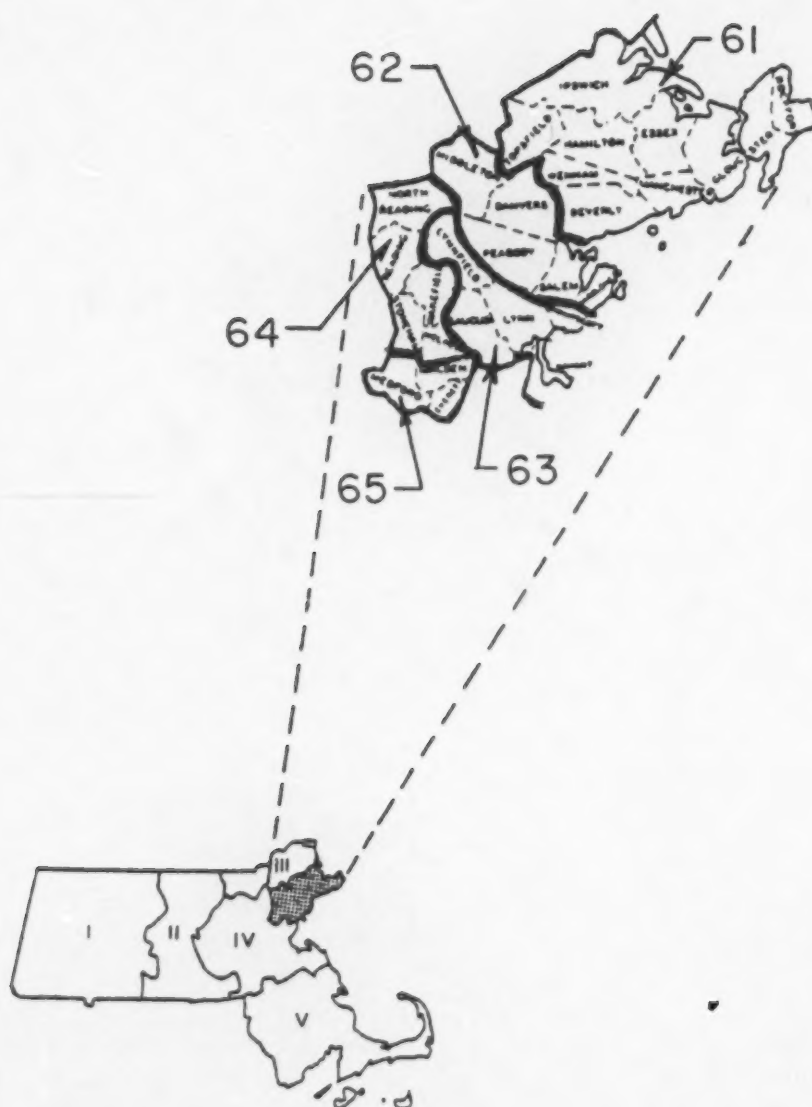


HEALTH SERVICE AREA V*



*INCLUDES ACTIVE AND INACTIVE SUBAREA COUNCILS.

HEALTH SERVICE AREA VI



REGISTRY OF VITAL RECORDS AND STATISTICS
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FOR REGISTRATION AND
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